

EQUIPMENT JOURNAL

NATIONAL HEAVY EQUIPMENT NEWS. DELIVERED. SINCE 1966

JULY 8, 2019

ISSUE
9

NEXT ISSUE: JULY 29, 2019

NEXT FOCUS: AGGREGATES/QUARRIES/TECHNOLOGY

McDowell Since 1968
McDowell B Equipment Ltd.

1 of 3 CAT D8T
Accugrade ready, Semi-U blade, 4 BBL single shank ripper, good U/C

MANY OTHER MODELS IN STOCK - CALL FOR DETAILS



See our ad on A9

705-566-8190 www.bmcdowell.com
416-770-7706 sales@bmcdowell.com

RENTALS OF EXCAVATORS WITH ATTACHMENTS



1-800-268-0182
info@aldenequipmentinc.com

Sales, Rentals & Rental Purchase

MARCEL
MARCEL EQUIPMENT

Quality, Reconditioned Equipment Since 1976

KOMATSU WA500-8 (2018)

- 2540 Hours - 723 Idle Hours
- 6.75 CY Spade Bucket
- Michelin XTTL L-4 Tires
- Stick Steer
- Auto Greaser
- Rear Camera
- 6000 Hr Warranty till Sept '21
- Very Clean and Job Ready



SEE OUR AD ON PAGE A6

Contact John or Mark at: **1-800-265-5747**
or
Rosaire in Timmins at: **1-705-268-3311**
www.marcelequipment.com

obw
EQUIPMENT

(416) 640-1442
For a free quote visit: www.ontariobw.ca

SALES | INSTALLATION | RENTALS

- Electronic traffic control
- Light Towers
- Delineation
- Truck Mounted
- Signage/Custom Signage Attenuation
- Barrier Walls
- Crash/Impact Attenuation
- Crowd Control & Fencing

WE ARE YOUR ONE STOP SHOP FOR TRAFFIC SAFETY SOLUTIONS!



OSWCA

EDGE1
EQUIPMENT RENTALS

STRENGTH + DETERMINATION

TORONTO
1252 SHAWSON DR.
MISSISSAUGA, ON
905.670.9990

HAMILTON
330 FRUITLAND RD.
HAMILTON, ON
905.561.2481

1-800-216-6663
EDGE1.CA | SALES@EDGE1.CA

Extractor



AMI ATTACHMENTS

1.800.556.9452 amiattachments.com

BE A COOL OPERATOR

When you work hard in small spaces, you need AC BIG time!

- Over 1,200 kits available
- Integrated AC systems
- \$1,000,000 inventory in stock!



Order your parts or complete systems today!

ARCTIC WOLF
BY HAMMOND AIR CONDITIONING LTD.

1-800-267-2665 • sales@hammondac.com • hammondac.com

CRD CREIGHTON **1-855-625-0941**
sales@creightonrock.com

EPIROC
BANG FOR THE BUCK
BREAKER
TRADE-IN



CRDCREIGHTON.COM

RENTALS • SALES • SERVICE



Genie **1-866-TOPLIFT** toplift.com

ESCO
EQUIPMENT SALES & SERVICE LIMITED

DISCOUNTS ON ALL ESCO BUCKETS FOR ALL MAKES!



Jim Walsh
jwalsh@essltd.com
416-358-3192

www.essltd.com
since 1946

DOMITE **RECYCLING // P&P**

DOMITE OFFERS A RANGE OF HOG, CANE, RECYCLING AND PULP + PAPER **HAMMER TIPS**
SEVERE APPLICATIONS REQUIRE SUPERIOR PRODUCTS **DOMITE**



WWW.DOMITE.COM // 100% CANADIAN MADE

LOADSTAR TRAILERS INC.
Leading in Trailing



See our ad on page A11

LOADSTAR TRAILERS INC.
905-885-0744

PARON

LOWBEDS - TAG-A-LONGS - TRANSPORTERS - SPECIALIZED LARGE OR SMALL LOADSTAR - PARON CAN OFFER THEM ALL

We drive for kilometres not miles

► GOOD CALL 1-800-315-COOP

COOPER
EQUIPMENT RENTALS



Publications Mail Agreement: 40063867

EQUIPMENT JOURNAL

NATIONAL HEAVY EQUIPMENT NEWS. DELIVERED. SINCE 1966



Published every third Monday at 6-5160 Explorer Dr., Mississauga, (Toronto). Subscription \$44. per annum or \$72. for 2 years including applicable tax., Payable in advance. Single copy \$3.95. Authorized as Publications Mail Agreement No. 40063867, by the Post Office Dept. Ottawa and for payment in cash. Advertising is accepted on the condition that in the event of typographical error, that portion of the advertising space occupied by the error together with reasonable allowance for signature will not be charged for, but the balance of the advertisement will be paid for at the applicable rate. In the event of a typographical error advertising goods or services may not be sold. Advertising is merely an offer to sell and may be withdrawn at any time. We reserve the right to reject or refuse any or all advertising. *Equipment Journal permission is required to reproduce original ad layout, artwork and photos.* H.S.T. #104037957 RT

ADVERTISER INDEX

JULY 8/2019

| | |
|---|---------|
| 306-634-9911 | A19 |
| Advance Construction Equipment..... | A9 |
| Alden Equipment | A1 |
| AMI Attachments | A1 |
| Aucklands Grainger..... | A22 |
| BEC Equipment..... | A10 |
| Bobcat Dealers | A21 |
| BPT Components and Parts Inc. | A19 |
| Brandt Tractor | A16 |
| Brandt Value Parts | B7 |
| Bull Powertrain | A8 |
| Canadian Concrete Expo | B10 |
| Central Diesel Service..... | A11 |
| Convertermen | B10 |
| Cooper Equipment Rentals..... | A1 |
| Creighton Rock Drill Limited..... | A1,A17 |
| Darvon Sales Inc..... | A13 |
| D/S Manufacturing..... | B11 |
| Domite Wear Technology Inc. | A1 |
| Edge1 Equipment Rentals | A1 |
| Equipment Sales & Service Limited..... | A1 |
| Hammond Air Conditioning..... | A1 |
| Harding Equipment Inc..... | A12 |
| High Reach Inc..... | A12 |
| Hub Equipment | B16 |
| ICUEE..... | B2 |
| Jade Equipment..... | B12 |
| JCB Dealers..... | A28 |
| John Deere Dealers | A14,A15 |
| Kubota Engines..... | B11 |
| Loadstar Trailers | A1,A11 |
| Lund Appraisal Service | B11 |
| M-K Group | A17 |
| Magnum Attachments..... | A26 |
| Marcel Equipment Limited | A1,A6 |
| McDowell B Equipment Ltd..... | A1,A9 |
| Moore JCB..... | A26 |
| Morgan's Industrial Diesel Truck Parts..... | A25 |
| Nortrax Canada Inc. | A5 |
| Nye Manufacturing | A25 |
| OBW Equipment..... | A1 |
| Ontario Control Cables | B7 |
| Perkins Engines | B13 |
| Pine Ridge Lisco Edwards..... | B14 |
| Powerscreen of Canada | A2 |
| Roadtec | B5 |
| Rubble Master | A4 |
| Sennebogen | A20 |
| Shaw Bros. Quality Attachments | A21 |
| Strongco Corporation | A18 |
| Tarten Equipment Limited | A25,B12 |
| The Gear Centre..... | A4 |
| Tim McDowell Equipment | A23 |
| Toplift Enterprises | A1 |
| Toromont CAT | A7,B1 |
| Toromont Demo Days..... | A24 |
| Tramac | B6 |
| Tri-City Equipment | A23 |
| Valley Blades | B4 |
| Volvo Penta..... | B15 |
| Wirtgen - Vogeles | A27 |

AUCTIONS

| | |
|----------------------------|-----|
| All Star Auctions | A17 |
| North Toronto Auction..... | B6 |
| Ritchie Bros. | B8 |

CONTACT US

Editor

Bill Tremblay

editor@equipmentjournal.com

Sales Manager

Tara Rosen

tara@equipmentjournal.com

National Account Manager

Mona Fahmi

mona@equipmentjournal.com

General Manager

Mark Baker

mark@equipmentjournal.com

Creative Director/Creative Services

Ryan Chuhaniuk

ryan@equipmentjournal.com

Circulation Manager

Marisa Mahato

marisa@equipmentjournal.com

PACE PUBLISHING LIMITED

EQUIPMENT JOURNAL

5160 Explorer Drive, #6

Mississauga, ON, L4W 4T7, Canada

LOCAL:

(905) 629-7500

TOLL-FREE: CDN/USA

1-800-667-8541

FAX: 1-800-210-5799

EMAIL US:

advertise@equipmentjournal.com

WEBSITE:

www.equipmentjournal.com



CRUSHING | SCREENING | WASHING

RECYCLING | STOCKPILING

PRODUCTIVE. AFFORDABLE. DEPENDABLE.


THE PRODUCTS YOU WANT



WITH THE SUPPORT YOU NEED

PARTS & SERVICE

With over \$2 million of parts inventory, Powerscreen of Canada is committed to meeting your parts needs to keep you producing. Our inventory includes an entire range of **covering screens, hydraulics, manufactured parts, engine parts, electrical components, crushing components and wear parts.** Providing our customers with quality parts and availability is our top priority.



EXPERIENCE

Established in 1975 Powerscreen of Canada has been supplying portable screening, washing, stockpiling and crushing equipment to the aggregate and raw material industry for over 40 years.

"Well equipped to handle your aggregate needs!"



POWERSCREEN OF CANADA LTD.

800 Farewell Ave., Oshawa, ON. L1H 6N5

(905) 576-0037

www.powerscreencanada.com

Fax: (905) 576-0048

e-mail:psc@powerscreencanada.com



Built's bigger autonomous fleet

A7



Digging into the past with HCEA Canada

A14



ASV's new high output compact track loader

A19

EQUIPMENT JOURNAL

NATIONAL HEAVY EQUIPMENT NEWS. DELIVERED. SINCE 1966

ISSUE 9

July 8, 2019

CONNECT WITH US





Reaching deeper depths

Bauer Maschinen has set a new trench cutter depth record in Saskatchewan. Page A17



FEATURED **EQUIPMENT**

ATTACHMENTS

B3



FEATURED **EQUIPMENT**

ENGINES & COMPONENTS

B9



**QUALITY PARTS
RELIABLE SERVICE!**

Since 1975






- Authorized Service Centres
- Factory Trained Technicians
- Powertrain Exchange Units

24 HOURS SERVICE TRUCKS







Trust The Experts!

| | | | |
|-----------------------------------|----------------------------------|---------------------------------|--------------------------------------|
| EDMONTON 1-877-450-4327 | CALGARY 1-888-252-3880 | SURREY 1-877-882-1529 | MISSISSAUGA 1-888-246-5077 |
|-----------------------------------|----------------------------------|---------------------------------|--------------------------------------|

www.gearcentre-offhwy.com

LETTER FROM THE EDITOR

Help build construction into an election issue

As the editor of Equipment Journal, I've taken advantage of many opportunities to travel south to the United States.

Whether it's for a trade show or to tour a manufacturing facility, I've visited more American cities in my relatively short time here than I have communities in Canada.

During these trips, a recurring topic of casual (and anecdotal) conversation is infrastructure spending. I'm often told the United States hasn't maintained its infrastructure to the same degree as Canada.

As a nation, I think it's important to stay on the receiving end of that American envy. And to ensure we do, the Canadian Construction Association (CCA) has launched a new advocacy campaign to keep construction at the forefront of politicians' minds.

Via construction4cdns.ca, the CCA aims to empower its members, staff and anyone connected to the construction industry by providing an avenue to easily send a pre-written letter to their local member of parliament.

Later in the summer, the website will also enable the ability to send letters to election candidates.

"With the federal election only a few months away, now is the time to stand up for construction and make sure action is taken on the issues facing our industry as we work to build a better Canada," Mary Van Buren, president of the CCA, said in a recent email promoting the new campaign.

The website, and its prepared correspondence, aims to champion four main issues of national importance for the construction industry, including; strengthening investor confidence; long-term infrastructure planning; supporting innovation and technology; and attracting a skilled and diverse workforce.

"There is strength in numbers and the more letters received, the more our voice is heard," Van Buren said.

The CCA is calling upon the federal government to implement a 25-year infrastructure spending plan.

According to the association, much of Canada's infrastructure was built in the



Bill Tremblay // Editor
editor@equipmentjournal.com

60 and 70s and is reaching the end of its lifespan.

The current Liberal government has announced \$180 billion in funding for public infrastructure over a 12-year period.

However, if the ruling party were to change on election night, a change in infrastructure spending could soon follow.

Perhaps, that change in spending could equal more cash for infrastructure — a promise that could arise from any political party vying to form the next government.

I guess it depends on how vocal the construction industry becomes during the election process. ■

**SUMMER TIME IS ...
SCREENING TIME!**





-  **Up to 3 screened products**
-  **Soil, mulch, sand & gravel, millings and more!**
-  **Ideal for heavy duty screening applications**

**RENT THE
RIGHT SIZE
CRUSHER &
SCREEN.
RIGHT NOW!**

**Call your local
RUBBLE MASTER dealer:**

| | | |
|---|---|---|
| ONTARIO Amaco Equipment (647) 493-9559 | ALBERTA & BC Terraforma Equipment (587) 415-5030 | QUEBEC Voghel (514) 990-6636 |
|---|---|---|

VISIT: RUBBLEMASTER.COM OR CALL: (800) 230-0418



OVER 400 UNITS!

Email: Matt.cassie@nortrax.com or call Matt at: (519) 239-7658

www.nortrax.com



2016 JOHN DEERE 344K
Wheel Loader
\$129,000



2016 JOHN DEERE 544K
Wheel Loader
\$175,000



2012 JOHN DEERE 724K
Wheel Loader
\$95,000



2011 VOLVO A40F
Articulated Dump Truck
\$79,000



2013 JOHN DEERE 460E
Articulated Dump Truck
\$289,000



2010 CASE 580SN
Backhoe Loader
\$55,000



2017 JOHN DEERE 410L
Backhoe Loader
\$119,000



2014 JOHN DEERE 310SK
Backhoe Loader
\$69,000



2011 JOHN DEERE 700J
Crawler Dozer
\$89,000



2017 JOHN DEERE 850K
Crawler Dozer
\$275,000



2015 JOHN DEERE 1050K
Crawler Dozer
\$559,000



2014 JOHN DEERE 333E
Compact Track Loader
\$55,000



2017 CATERPILLAR 304E2
Excavator
\$56,000



2018 JOHN DEERE 75G
Excavator
\$135,000



2015 KOMATSU PC170LC-10
Excavator
\$135,000



2014 JOHN DEERE 210G LC
Excavator
\$129,000



2014 JOHN DEERE 470G LC
Excavator
\$275,000



2015 TIGERCAT H855C
Forestry Harvester
\$319,000



2016 JOHN DEERE 848L
Forestry Skidder
\$289,000



2011 JOHN DEERE 903K
Forestry Feller Buncher
\$205,000



Over 20 Nortrax Canada Locations to Serve You.
WE STAND READY.

NORTRAX
www.nortrax.com



SALES, RENTALS & RENTAL PURCHASE

LONDON, ONTARIO, CANADA

Contact John or Mark at:
1-800-265-5747 or 519-686-1123
Email: sales@marcelequipment.com
Rosaire in Timmins at: 705-268-3311



\$CALL

(4) CAT 772 (2013)
4755-5134 Hours, Heated Bodies, Tailgates,
Inspected, Serviced and Work Ready

UNITS SOLD WITH WARRANTY WE ALSO RENT EQUIPMENT CONTACT MARK or JOHN 1-800-265-5747 or 519-686-1123



\$CALL

(5) KOMATSU HD325-7 (2013)
5410-6047 Hours, Heated Bodies, Tailgates,
Inspected, Serviced and Work Ready



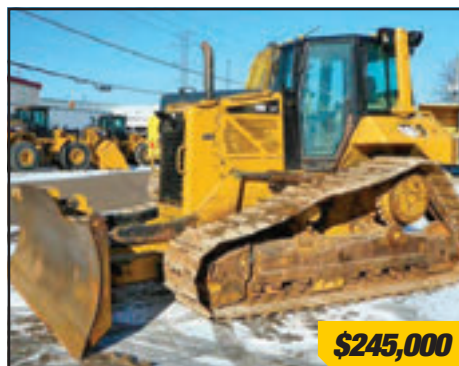
\$CALL

(3) CAT D8T LGP (2016)
6553 – 8190 Hours, Cat Dealer Maintained
Since New, Block Heaters, Cab Precleaners, AC,
38" Pads, CAT SU Bld w/Tilt, Ripper Valve, Winch
and 4 Barrel MS Ripper are Available



\$210,000

KOMATSU D65PX-17 (2014) - 4067 HOURS
Complete NEW Undercarriage, 36" Pads, AC,
S Blade with Hydraulic Tilt, Rear Hydraulics,
Rear Camera, **Very Clean Unit**



\$245,000

CAT D6N LGP (2014) - 4256 Hours
New Engine at 4250 Hours, 6 Way PAT Blade,
Ripper Valve, Accugrade Ready, Strong U/C, Work
Ready



\$CALL

CAT D6T XL (2013)
6985 Hours - 2995 Idle Hours, Cat Dealer
Maintained, Waste Handler, AC, Block Heater, 22"
Pads, NEW Undercarriage, SU Blade w/Trash Rack



\$245,000

CAT 950K (2013) - 6498 HOURS
3792 Neutral Hours, 4.75 CY Bucket, Ride
Control, 725/70x25 Tires, Extra CTWT, Rear Camera.



\$215,000

JOHN DEERE 772GP (2010) - 6273 HOURS
6273 Hours, Well Maintained Ex-Municipal Unit,
AC, 17.5R25 Tires, Snow Wing, Front Lift Group, 14"
Moldboard with 2 Foot Extension, Rear Fenders



\$179,000

KOMATSU WA430-6 (2011) - 5632 HOURS
5 CY GP Bucket, Coupler, 23.5R25 Tires, In Cab
Bucket/Boom Positioner, **Good Clean Load-**
er, Inspected, Serviced, All Needed Repairs
Completed.



\$195,000

KOMATSU WA320-7 (2015) - 2632 HOURS
Quick Coupler, Michelin 20.5R25 Tires, 3.3 CY
Bucket, 3rd Valve, Rear Camera, **72" Forks are**
Available, Well Maintained Unit



\$225,000

JOHN DEERE 644K (2015) - 3955 HOURS
Excellent Unit, AC, 3rd Valve, Michelin Tires, 7
CY Bucket, Optional Bucket is Available, Front
Fenders, Rear Camera, Very Nice Loader



\$295,000

CAT 972M (2014)
8691 Hours – 2723 Idle Hours, AC, Autogrease,
Rear View Camera, 6.25 CY Bucket, Stick Steer,
Ride Control, 26.5x25 Tires, **Used in Stockpile**
Application



\$465,000

CAT 980M (2014)
Unit Delivered New March 2015, 3552 Hours
– 1228 Idle Hours, Cat Dealer Maintained, AC,
7.5 CY Bucket, 29.5R25 Tires, Ride Control, Rear
View Camera, Cold Weather Arrangement



\$199,000

CAT 980H (2007) - 15,621 Hours
AC, Ride Control, 6.75 CY Bucket, 29.5 x 25
Tires, Scale System, Command Control Steering,
Warranty



\$195,000

CAT 730 (2008)
11295 Hours – Idle Hours: 7525, AC, Engine
Block Heater, 750/65R25 Flotation Tires, Box
Liner, 30 Ton, Heated Box, Good Straight Truck,
All Needed Repairs Completed



From \$325,000

(2) CAT 730C (2015)
4844-5488 Hours, AC, Block Heater, 750/65R25
Flotation Tires, Rear Cab Screen, Rear View Camera,
Heated Mirrors, **1 of 2 Units Available**



From \$295,000

(2) CAT 725C (2014)
4017-5482 Idle Hours, CAT Dealer Main-
tained, AC, 26 Ton, 6x6, Diff Lock, Tailgate,
Rear View Camera, 23.5x25 Bridgestones, **Cat**
Dealer Inspected, 1 of 2 Units Available



From \$285,000

(4) VOLVO A30F (2012)
4435-5646 Hours, AC, 23.5R25 Tires, Rear
View Camera, Tailgate, 31 Ton, Heated Boxes are
Available, **1 of 4 Units Available**

VIEW our Complete Inventory at: www.marcelequipment.com



Built Robotics builds upon its fleet of autonomous heavy equipment

Built Robotics is expanding its product line of autonomous heavy equipment, both in size and variety.

In 2017, Built Robotics unveiled its first autonomous machine: a compact track loader. Now, its fleet of equipment includes dozers and excavators. As well, the machines have completed more than 6,100 hours of autonomous operation, the equivalent of 480,000 km of testing with self-driving cars.

One of the autonomous fleet’s jobsites includes a partnership with Mortenson Construction, building foundations for a wind turbine project.

“We’re working on earthmoving for renewables projects like wind and solar farms,” said Kelly Dillon, head of people operations at Built Robotics. “These projects are in remote areas with a lot of repetitive work far away from workforce centres, so they are great for our autonomous equipment.”

The company uses a sensor system that is capable of transforming existing heavy equipment into autonomous machines.

The sensors, along with its accompanying software, allows a supervisor to use a tablet to set a site perimeter and input the project plans to dictate what tasks the machine will complete.

“The terrain model for the finished wind-turbine foundation excavations are loaded into the excavators and they go to work on the job site,” Dillon said.

The Built Robotics hardware uses the same sensors that is found in self-driving cars. The autonomous software is then designed for the specific construction requirements.

An on-site remote operator is also part of the process, and supervises the machines. The operator also installs kits, run robots and troubleshoots any issues that may arise.

“The shortage of qualified labour is an in-

dustry-wide challenge right now and finding the skilled workers that large infrastructure projects demand can be even more difficult in locations like these,” Dillon said. “Our robotic equipment is able to shoulder some of the load by assisting with basic, repetitive tasks, freeing up human operators to focus on the more specific, complex and critical activities.”

Dillon added the autonomous system is able to boost safety on the jobsite.

“By taking workers out of harm’s way, our technology has the potential to make autonomous job sites safer, more inclusive work environments,” Dillon said.

The company is the creation of Noah Ready-Campbell, a former Google employee who sold his first company to eBay in 2015. He founded Built Robotics three years ago.

“Noah has always had a passion for robotics. His dad was a contractor when Noah

was growing up, so he was familiar with the industry,” Dillon said. “He saw an opportunity to bring self-driving technology to the construction industry.”

The company has completed more than 10 commercial projects so far, with five more in the hopper to be completed through the end of the year.

“Each project is generally three to six months in length. The machines are about as fast and accurate as average operators, but not quite as good as the best,” she said.

Dillon added there are some great things in the future for the young Built Robotics brand.

“We have an R&D fleet of equipment that we’ve deployed onto job sites across the country. As we begin to install our robotic upgrade kits to our customer’s existing equipment, we will also train our customer’s equipment operators and mechanics on our technology.”

TOROMONT

CAT

USED GENERATORS & PARTS

FOR MORE USED EQUIPMENT, VISIT

used.toromontcat.com

f

t

in

g+

yt

WANTED USED GEN. SETS, INDUSTRIAL AND MARINE ENGINES

Dependable Alternative Toromont Rebuilt and Used Generator Sets. If you don't see what you want, call me and I'll get it for you. A transformer can be used to reduce 600 to 480 volts. For pictures please visit: www.toromontpowersystems.com




CAT 3508 Skid Mounted Gen Set

635 KW @ 600 Volt and 1200 RPM

New Surplus, ready to go

\$290,000



Cummins Sound Attenuated Gen Set

300 KW @ 600 volt

6,000 original hours

SOLD!



CAT C32 Sound Attenuated Gen Set

1000 kw at 600 volt, Tier 2

Low hour, ready to go

SOLD!

Engines • Various 3412 core engines available. Call for Pricing

Contact Pat McCart at Tel: 1 800-771-9145 or 705-436-7770, Cell: 416-522-8701

US PRICING SUBJECT TO ACTUAL EXCHANGE RATES AT TIME OF SALE. ALL UNITS ARE SUBJECT TO PRIOR SALE.

Email: pmccart@toromont.com

USED & RESTORED PARTS

Recent Arrivals

- 330B Rebuilt Swing drive p/n 114 1441\$6950 exchange
- 938, 950, 962 GP buckets, new take off's\$6200 and up
- New CAT 420 pin on front buckets, c/w bolt on edge\$950 ea
- Numerous Fusion couplers, IT couplers all new take off's\$1800 ea
- 446D Side Dump new Cat unused 1.25 cu yd\$16,500
- 430E 30" rear bucket, new CAT\$1800
- Numerous Hydraulic cylinders rebuilt, Excavator and loader.
- Numerous new Cat surplus cutting edges and bucket teeth.

Transmissions (all rebuilt and tested)

- Rebuilt 950G transmission, 114 8945\$18,300 exchange
- Rebuilt IT28G transmission p/n 2013318\$13,500 exchange
- Rebuilt 928G transmission p/n 177 0017\$14,500 exchange
- IT18F transmission (1082075)\$10,500 exchange
- 988B Transmission p/n 3P9094\$25,850 outright
- 924 transmission rebuilt. p/n 1807503\$11,200 exchange
- 980C rebuilt, p/n 6Y3197 heavy duty arrangement\$22,700 exchange
- New arrivals for tear down, 966H, 324D, 980G, 930H

Final Drives and Differentials

- 740 Final Drive, reconditioned, p/n 3710565\$22,500
- 324D Rebuilt final drives, new bearings/seals\$10,500
- 365B Rebuilt final drive, P/N 136 2956 (2)\$18,500 ea
- 345 Final drive 227 6045\$24,000
- 319/320/321/323 p/n 3530611 final drive open & insp\$8,900

If we don't stock it we will find it for you.

PLEASE CALL: ANDY x3067, GREG x5768, JOE x3068, SHAWN x3066

Phone: 705-436-7770 or 1 800-771-9145 | Fax: 705-436-7820



Strongco employees Dave Pincivero, product support manager, construction; Paul George, sales manager, construction equipment Ontario; and Maria Valentini, marketing manager plant a tree in Whitby's Intrepid Park.

Volvo Group joins the living tribute to the Highway of Heroes

Members of the Canadian Armed Forces, military veterans and volunteers recently joined forces to plant 300 more trees in support of the Highway of Heroes Tree Campaign.

On June 14, the trees were planted at Intrepid Park in Whitby, Ontario — the former site of Camp X and legendary secret paramilitary training installation for covert agents during the Second World War.

“Since my very first planting, I’ve found a sense of

closure from the pain I had when I lost my friends, helping to heal some of the non-visible wounds I brought home from Afghanistan in the process,” said Corporal Nick Kerr, a veteran of Afghanistan.

“I prefer an army of trees standing at attention over more stone cenotaphs. I was a pallbearer for eight friends I lost, and every time I plant a tree, I think, ‘That one is for you, buddy.’”

Volvo Group donation

Before the tree planting, Volvo Trucks Canada, Volvo Financial Services, Volvo Construction Equipment, Mack Trucks Canada and Mack Financial Services, made a joint funding announcement in support of the Highway of Heroes Tree Campaign.

“I am very proud of the collaboration between Volvo Trucks, Volvo Financial Services, Mack Trucks and Volvo Construction Equipment in support of the Highway of Heroes Tree Campaign,” said Paul Kudla, managing director for Volvo Trucks Canada. “This is the first time that Volvo Group in Canada has coordinated our efforts as a team in support of a cause. We

feel passionate about working together with this organization for two reasons, as it reflects one of the group’s core values; care for the environment; and the importance this highway corridor holds for our customers, as they travel and work on it daily.”

At the event, Prime Minister Justin Trudeau joined Minister of Veterans Affairs Lawrence MacAulay to present Corporal Kerr with the Minister of Veterans Affairs Commendation for outstanding dedication to volunteer work with the Highway of Heroes Tree Campaign.

Tree campaign

The Highway of Heroes Tree Campaign aims to plant 2 million trees between Trenton and Toronto, one tree for every Canadian that has served during times of conflict since Confederation, including the war of 1812. The campaign will plant 117,000 of the most prominent trees along the stretch of Highway 401 known as the Highway of Heroes in honour of every life lost while serving in the Canadian Armed Forces.

For more information, visit www.hohtribute.ca.



(705) 560-BULL (2855) || 1-800-461-5959

Your Off-Highway Powertrain Service Center

1510 Fairburn St. Sudbury, ON P3A 1N7 || sales@bullind.com





BULL IS YOUR AUTHORIZED SERVICE CENTRE FOR





- ✔ Authorize to perform warranty work
- ✔ OEM parts and components for all your off-highway equipment
- ✔ Factory trained technicians

www.bullpowertrain.com



Grove and Strongco celebrate six-decade long partnership

Grove and Strongco recently celebrated 60 years of doing business together during a special ceremony at bauma 2019 in Munich, Germany.

Strongco is a Grove, Manitowoc and National Crane dealer that has a strong presence in selling, renting and servicing equipment across Canada.

“Their ability to provide strong crane sales, rentals and service across Canada has been instrumental in ensuring our cranes are dependable for our valued customer base,” said Dave Hull, vice president of sales, Americas for Manitowoc Cranes. “Strongco is an important partner for us, and we look forward to many more years of good business.”

Hull presented the company with an award to mark the 60-year achievement. Strongco representatives William Ostrander, vice president of cranes and material handling, and Oliver Nachevski, vice president and COO, joined Manitowoc’s booth at bauma to celebrate and accept the award.

“Strongco is very proud, and we value our partnership with Manitowoc,” Nachevski said. “We look forward to continuing to represent this premier group of crane products for many more years to come.”

Echoing his statements, Ostrander added “Manitowoc has been a key part of our success in Canada, and we’re proud to be associated with this market leader in cranes and lifting solutions. The products and support they provide us and our customers is the best in the industry.”

ShearForce and Work Truck West open new Alberta location

ShearForce Equipment and Work Truck West are opening a new sales and service centre in Airdrie, Alberta.

Located about 20 minutes north of Calgary, the new facility (located at 512 East Lake Road NE in Airdrie) is designed to support ShearForce and Work Truck West’s customers across Alberta and Saskatchewan by supplying parts, service and support for the products they sell from a central location. The new shop is expected to open in early July.

The shop features three full mechanic bays for in-shop services including work truck customizations and service, and excavator attachment installations and machine setups.

ShearForce Equipment and Work Truck West are the two operating divisions of West Coast Machinery Ltd.

ShearForce Equipment is Western Canada’s hydraulic attachment specialist, offering new and used hydraulic demolition, crushing, scrap recycling, and excavation attachments for sale and rent.

Work Truck West brings a consultative approach when it comes to developing medium-duty work truck solutions, providing mechanics service trucks, dump trucks, picker deck trucks, and snow and ice trucks to customers and partners across Canada.

For the management team at West Coast Machinery, timing was essential to making the move to expand operations to the east.

“It’s been a long time coming, but our patience paid off and we were able to jump at the right opportunity to get ourselves into the ideal location for expanding our business into Alberta,” said West Coast Machinery President Brad Dewit. “We really feel that we are investing in our customers’ success in the Prairies with this new facility and our enhanced sales and support capabilities.”


Rob Beukema, vice president and sales manager for Work Truck West, added, “One of our goals with this expansion is to help to alleviate the demand for turnkey, specialized work-ready trucks in Alberta and beyond. In addition, we are looking forward to better servicing our valuable customers in the region with

faster turnarounds for work truck service, parts and truck equipment solutions.”

Two senior dedicated team members will be leading efforts at the new branch starting this summer, with plans to ramp up sales, rental and technical staffing as they grow.

Branch manager Andrew Young will lead sales and

rentals and product support manager Travis Ostermeier will provide parts, service and support for both ShearForce and Work Truck West divisions.

“We’re looking forward to having the space and resources to offer more immediate solutions to customers with specialized local support,” Young said. 



Advance Construction Equipment

Waterloo Location (519) 742-5878 www.advanceequipment.net Harriston Location (519) 510-5878

| | | |
|---|---|--|
|  <p>2016 BOBCAT S590, 2000 hours, cab, aux hyd. \$POR.</p> |  <p>2012 JCB 190T TRACK LOADER, 3000 hours, deluxe cab, HVAC, radio, 2 speed, 60% tracks, nice clean local trade. \$32,500.</p> |  <p>2016 JCB 8035, 950 hours, hydraulic thumb, coupler, 3 buckets, very nice unit. \$49,500.</p> |
|  <p>JCB TM320, 6400 lb. 17' lift, hyd. coupler, deluxe cab, hvac, articulating telescopic. Bucket or forks available. 2 units from..... \$64,500.</p> |  <p>2010/2012 JCB 426HT, hyd. coupler, aux. hyd., 2.75 yard bucket, cab hvac, fully serviced, 2 units available POA</p> |  <p>JCB 417 USED, 2 yd bucket, hyd. coupler, deluxe cab, HVAC, ride control, 2 available from \$79,500.</p> |

607 Colby Drive,
Waterloo, ON N2V 1A1
TEL (519) 742-5878
FAX (519) 742-0541

RR#3, 6297 City Road 109 South
Harriston, ON N0G 1Z0
TEL (519) 510-5878
FAX (519) 510-4283

Here to Serve you Better!



Since 1968

McDowell

McDowell B Equipment Ltd.

www.bmcdowell.com sales@bmcdowell.com

416.770.7706 or 705.566.8190

GTA & SUDBURY HEAVY EQUIPMENT SALES, RENTALS & REPAIRS



WE ARE YOUR SOURCE FOR PARTS

JUST ARRIVED FOR PARTS

- CAT 350II 6X6 TRUCK
- VOLVO A35D 6X6 TRUCK
- CAT 988B LOADER
- CAT 924H LOADER
- CAT 769D ROCK TRUCK
- BOBCAT S175 SKIDSTEER
- BOBCAT 518 TELEHANDLER

SERVICE YOU CAN COUNT ON!

- 2 SHOPS & 14 BAYS
- HIGHLY RECOMMENDED REPAIR SHOP WITH LONG TIME EMPLOYEES
- KNOWLEDGEABLE, TRAINED, PARTS PROFESSIONALS

OEM PARTS & SERVICE



Compaction



Compact Equipment



Trailers/Floats



Hammers



Wheel Loaders



EXCAVATORS



Carriers



Air Compressors

BEC EQUIPMENT
SALES • RENTALS • SERVICE • PARTS



**WACKER
NEUSON**
all it takes!

Ontario's Authorized Service & Warranty Centre for all Wacker Neuson Light Products

**SUPER SUMMER
DEALS**



\$2445.00

BS50-2i Rammer

IN STOCK WACKER NEUSON EQUIPMENT

SKID STEERS



SW21-Cab w/Pilot Controls
SW-16 Skid Steer Loader



ST31-Cab w/ Pilot Controls
SW-20-CAB w/Pilot Controls

WHEEL LOADERS



WL-60 Wheel Loader

TELEHANDLERS



TH522 TH412

EXCAVATORS



EZ36 w/30" Ditching Bucket ET90 w/18" Digging Bucket
EZ17 w/14" Digging Bucket EZ38

ROLLERS



RD18 Combi

0% for 60 OAC

DOOSAN PORTABLE POWER

\$21,995.00



C185 - T41

WACKER NEUSON LIGHT EQUIPMENT



**KOHLER
ENGINES**

DOOSAN

**HONDA
ENGINES**

Kubota
AUTHORIZED DEALER
ENGINES / PARTS

**ISUZU
REDTECH**

YANMAR

Perkins

Call the Experts at BEC Equipment

1790 Bonhill Rd. Mississauga, ON L5T 1C8
(905)-670-7678 www.becequipment.ca

* Terms and conditions apply APR
* Regional Boundaries Apply

Komatsu's new excavator promises first-to-last-pass accuracy

Komatsu America Corp. is promising first-to-last-pass accuracy in a stable and productive machine via the new PC290LCi-11 Tier 4 final emissions-certified hydraulic excavator.

As well, the new excavator doesn't deliver the transportation-permit headaches of bigger machines.

The new PC290LCi-11 features intelligent Machine Control (iMC), which is based on Komatsu's unique sensor package, including stroke sensing hydraulic cylinders, an IMU sensor and GNSS antennas.

The technology utilizes 3D design data loaded in the control box to accurately check its position against the target to semi-automatically limit over-excavation.

"The PC290LCi-11 is perfect for applications where the customer is looking for good stability and working range, while avoiding the transportation limits of larger-size-class excavators," said Andrew Earing, senior product manager of tracked equipment at Komatsu.

The hydraulic excavator also includes intelligent Machine Control joysticks, which allows semi-auto/manual-mode switching and design surface offset

function can be operated with switches on the control levers.

Via Auto Grade Assist, as the operator moves the arm, the boom adjusts the bucket height automatically, tracing the target surface and minimizing digging too deep.

Another feature on the excavator is Auto Stop Control, which allows the work equipment to automatically stop when the bucket edge reaches the design surface, thus minimizing design surface damage.

Also, with Minimum Distance Control, the machine

controls the bucket by automatically selecting the point on the bucket closest to the target surface. If the machine is not facing a sloped surface at a right angle, it will still follow the target surface and minimize digging below it.

Another new feature is Facing Angle Compass that allows the bucket edge to be accurately positioned square with the target surface. The orientation of the facing angle compass' arrow shows the operator the facing angle, relative to target surface.

Realistic 3D Display is also included on the excavator.

This allows the angle and magnification of the views to be changed, allowing the operator to select the optimum view, depending on work conditions.


Inside the cab, the intelligent Machine Control monitor uses a large 30 cm screen for visibility and ease of use.

The simple screen layout displays the necessary information in an easily understood fashion. A touchscreen icon interface, instead of a multi-step menu, simplifies operation.

The PC290LCi-11 excavator is equipped with a 6.69


litre, 196 hp, EPA Tier 4 Final, SAA6D107E-3 engine.

Furthermore, KOMTRAX level 5 technology feeds the operator machine data, such

as fuel and diesel exhaust fluid (DEF) levels, Komatsu Diesel Particulate Filter (DPF), regeneration status, location, cautions and maintenance alert information. 

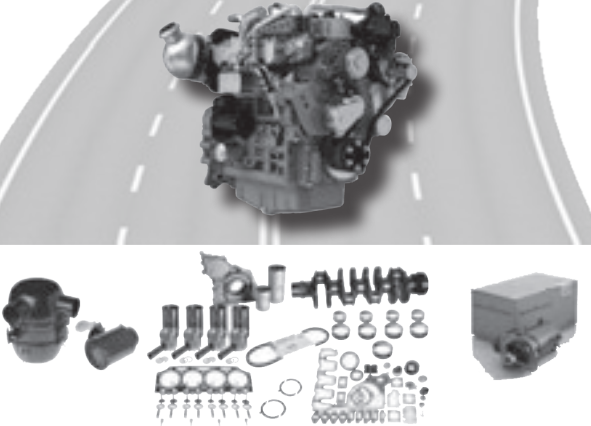


The PC290LCi-11 excavator is equipped with a 6.69 litre, 196 hp, EPA Tier 4 Final, SAA6D107E-3 engine.



Since 1983 Central Diesel Service has specialized in DEUTZ. In fact, we're proud to say **"Nobody knows Deutz products better,"** and we can prove it!

ENGINES, PARTS AND FILTERS, OH MY...



PARTS / ENGINES/ SERVICE
Engines New and Refurbished

CENTRAL DIESEL SERVICE
Solid Service Since 1983

6604 Davand Dr., Mississauga, Ontario L5T 2M3
Email: deutz@on.aibn.com

905-564-9444 Fax: 905-564-9313

LOADSTAR

"Leading In Trailing"

LOADSTAR TRAILERS INC.

905-885-0744

VISIT OUR UPDATED WEBSITE:
www.loadstartrailers.com

E-MAIL: info@loadstartrailers.com

2655 LAKESHORE ROAD,
PORT HOPE, ON L1A 3V9

LIKE US ON FACEBOOK





MADE IN CANADA



"Premium Quality Engineered Products"

"Large or Small **LOADSTAR-PARON** Offers Them All"

We Rent Trailers ... Call for Details!

6 Equal Interest Free Payments
On New Trailer Purchase

75/65 TON QUAD

OUR THANKS TO
WELLINGTON SYSTEMS,
GUELPH, ON. -1282515



40 TON TAG

OUR THANKS TO
DESO CONSTRUCTION,
CALEDONIA, ON. -1282516



60 TON TRIDEM

OUR THANKS TO
ENVIRONMENTAL CONTRACTING SERVICES,
KINGSTON, ON. -1282517



24 TON PAVER

OUR THANKS TO
CAVANAGH CONSTRUCTION,
OTTAWA, ON. -1282518



60 TON TRIDEM

OUR THANKS TO
PARKER & PARKER,
ZURICH, ON. -1282519



34 TON TAG

OUR THANKS TO
BERNEL MASONRY,
BRAMPTON, ON.
-1282520



CHECK OUT OUR WEBSITE FOR MORE USED TRAILERS

Bobcat introduces two new utility vehicles

Designed to meet challenging work conditions, Bobcat has debuted the new UV34 and UV34XL diesel utility vehicles.

With industry-leading specs and proven durability, the new UV34 and UV34XL utility vehicles feature an all-new

chassis for increased durability, an enhanced suspension system, increased towing capacity and more integrated accessories.

As well, the UV34 and UV34XL diesel utility vehicles’

diesel engines are designed to excel in harsh and challenging working conditions. In fact, it’s the same engine used in Bobcat’s mini track loaders.

The new UV34 and UV34XL utility vehicles are designed with an all new chassis that dramatically improves ground clearance and off-road capabilities, while allowing more range of motion in the suspension for superior ride quality — a feature further enhanced with added seat padding for enhanced operator comfort.

Bobcat UV34 utility vehicles offer seating for an operator and two passengers, while the extended UV34XL has room for an operator and five passengers.


With more material added to the frame, suspension components, wheel hubs and wheel bearings, Bobcat’s UV34 and UV34XL utility vehicles offer amplified durability.

An independent rear suspension with sway bar provides improved ride quality and handling. All new shocks and springs, plus stronger drive components push through challenging jobsites.

Improved ride quality is also a focus of the new cab design featuring a low, wide cab opening that allows for easy entry and exit.

Updated instrumentation throughout the cab makes operation more intuitive, while larger controls and gauges improve visibility and ease of use. More in-dash storage was added to the new cab design along with a flip-up seat for stowaway convenience of larger items.

The UV34 and UV34XL utility vehicles are designed with a rugged cargo box that leads the industry in size and payload capacity, according to Bobcat. The greater payload capacity allows operators to haul more, and in turn, maximize time on a jobsite, farm, acreage or grounds maintenance project. The large cargo box can be emptied manually or with an optional powered cargo box lift.

Towing capacity is increased by an impressive 227 kg in the standard and XL utility vehicles to accommodate hauling of light-duty trailers. The industry-leading towing rating of 1,134 kg allows the vehicle and operator to efficiently move firewood, landscaping materials, trailered watercraft and more. 



High Reach Inc.

45 Shepherd Road, Oakville, Ontario L6K 2G6

www.highreachinc.com

RENTALS★SALES★SERVICE

**5,000 LB. TO 18 TON
LIFTING CAPACITY**

BRODERSON CARRY DECK CRANES

Broderson Carry Deck Cranes are extremely versatile, ideal for lifting material that require a compact, low-profile crane to maneuver in tight spaces and clear overhead obstacles. Multiple sizes and capacities, including optional equipment for customization, ensures your Broderson crane can fulfill all your lifting needs.

| | IC-20 | IC-35 | IC-40 | IC-80 | IC-200 | IC-250 |
|-------------|-----------|--------|-----------|--------|---------|---------|
| Capacity | 5,000 lbs | 4 Tons | 9,000 lbs | 8 Tons | 15 Tons | 18 Tons |
| Boom Height | 22' | 33' 6" | 33' 6" | 46' 4" | 73' | 79' 4" |

*Your authorized Broderson carry deck crane,
Orion and Versa-Lift heavy fork lift truck dealer.*

bmc BRODERSON
Manufacturing Corp.

T: (905) 844-4164 F: (905) 844-2135

BUYING AND SELLING USED CONSTRUCTION EQUIPMENT SINCE 1971

HARDING EQUIPMENT INC.

450-437-8848

hardingequipment@sympatico.ca

FAX: 450-430-5352

**SUMMER
BLOWOUT!**



1978 SMI 5250, GM - GM, low hours, fresh paint. **\$39,500.**



2003 VOHL DV-4000 LOADER-MOUNT BLOWER, c/w JD 275 hp motor telescopic chute. **\$67,000.**



1996 SMI 8400, 4000 tons per hour, G.M - G.M, 710 hp. **\$105,000**



1990 SMI 5250A c/w 2 GM diesels, front & rear, 2000 T.P.H., very clean, low hrs. **\$65,000.**



SMI 7200 ribbon blower, rebuilt 1997 G.M. V-12. **\$48,500.**



1993 SMI 7250A 3000 TPH - GM - GM - 470HP, very clean, ex gov. **\$115,000.**



1997 RPM TECH P-3500 dump blower, Cummins KT-450. **\$59,000**



1992 RPM TECH dump blower, Cummins 450 HP. **\$52,000.**



1983 VOHL DV-4000, J.D. motor, tel-chute. **\$44,500**



2002 VOHL DV-4000, loader mount, J.D. diesel **\$65,000.**



1987 FORD F-700, 4x4, GM Diesel, long frame, good condition. **\$15,500.**



1983 PAYSTAR 5000, 4x4, Cummins 270, auto trans, front harness - clean. **\$19,500.**



1988 JETAIR II, Cummins, high-velocity air duct, very clean. **\$55,000.**



1983 WESTERN STAR, 6x6, Cummins 270 HP, 18-46 axles, good condition! **\$57,000.**



1981 OSHKOSH R, c/w CAT 825 HP rear eng, 400 hours, 5000 tph capacity. **\$85,000.**



Caterpillar’s new R2900 underground loader delivers near zero NOx

The new Cat R2900 underground loader continues to deliver the high performance and 17.2-tonne payload of its proven predecessor while offering configurations to meet the strictest diesel engine emissions standards, including those in Europe and North America.

The new R2900 underground loader is powered by the durable and fuel-efficient Cat C15 engine, available in a number of emissions configurations to meet the needs of mining operations worldwide.

Air-to-air aftercooled

The six-cylinder engine is turbocharged and air-to-air aftercooled, and it produces 409 hp in standard configuration and 393 hp in EU Stage V compliant form.

Using the proven Cat Clean Emissions Module to limit particulate matter and NOx to near zero, the R2900 is certified to meet EU

Stage V and Canada’s CANMET standards.

Other emissions packages are EU Stage IIIA equivalent/U.S. EPA Tier 3 equivalent and Caterpillar’s Ventilation Reduction System, which offers the optional use of flow through or highly efficient wall flow diesel particulate filters for improved underground air quality.

The R2900 underground loader is available with high ambient cooling capability.

The key component of the package is a high efficiency radiator that features a modular design with individual tubes that can be serviced independently to reduce maintenance time.

The radiator is also resistant to clogging and allows faster cleaning and longer service intervals.

The engine end frame design features new, simple structures that extends durability and accommodates modular components,

which facilitate maintenance and repair.

Remote axle and transmission coolers and filters enable easy access, and a single fuel tank replaces the dual tanks on the previous underground loader model. The new tank also provides ground level access for refuelling.

The available brake release and tow hook allows disengaging the parking brake and hooking to the machine from the rear in the event the machine must be towed.

The underground loader’s in-cab display enables machine health monitoring through Cat Product Link Elite. The new system makes it easier to share data across multiple destinations.

Scalable remote operation technology starts with the Caterpillar line-of-sight console. Critical machine information is now presented on a display in the console. Additional MineStar Command technology


enables teleremote and semi-autonomous operation from a distant operator station.

Underground loader bucket options

A range of bucket sizes and configurations are available for the R2900 to match material characteristics and optimize productivity.

With the introduction of Bolt-On Half Arrow ground engaging tools (GET) for bucket edges, Caterpillar now offers a complete range of Cat GET and bucket wear solutions for underground loaders—to enable optimizing the system for the application.











With a proven and reliable retention system, the bolt-on GET offer more wear material than standard weld-on GET, and the bolt-on design enables fast and easy removal and replacement.

Despite additional wear material, the low-profile front edge eases pile penetration and promotes fast bucket loading. 



(647) 448-5361

515 Welham Road, Barrie, ON L4N 8Z6

| | | | | |
|--|---|---|---|---|
|  <p>\$170,000 OBO</p> |  <p>\$CALL</p> |  <p>\$255,000 OBO</p> |  <p>\$60,000 OBO</p> |  <p>\$45,000 OBO</p> |
| <p>CAT 320E L- 2 TO CHOOSE FROM, Loaded, Loaded, Loaded. 2014 Model - 3660 original hours - Equipped with Tool Control Hydraulics. Hydraulic quick coupler, hydraulic thumb, choice of 2 buckets, 48” or 54” - also equipped with boom and stick drop lockout valves. Work ready, like new machine.</p> | <p>2011 CAT 621H, low hours, came out of Caterpillar proving grounds, powetrain warranty, rare find, call for details.</p> | <p>2014 CAT 725, 3987 hours, Michelin tires, heated box, VERY CLEAN!</p> | <p>2013 JOHN DEERE 724K, Bridge-stone tires, auto lube greasing system, Tier 3 machine.</p> | <p>2011 FORD F550 SERVICE TRUCK, 230,000 kms, equipped with air compressor, transfer tank and lube reels, automatic transmission, 4x4, sold certified.</p> |
|  <p>\$49,000</p> |  <p>\$310,000 OBO</p> |  <p>\$CALL</p> |  <p>\$CALL</p> |  <p>\$CALL</p> |
| <p>2003 CAT 966G, Goodyear tires, clean, good running loader, one owner machine, extensive engine repairs done.</p> | <p>CAT 349EL, 5200 hours, high pressure aux hydraulics, coupler, choice of 2 buckets, immaculate machine.</p> | <p>2007 CAT D10T, excellent component history, semi-u blade, single shank ripper, work ready, EPA certified.</p> | <p>2012 CAT D11T, single shank ripper, 13,000 frame hours, semi-u blade, EPA certified. Call for more details.</p> | <p>HITACHI EX1800 BUCKET, 12.5 cu. yd., zero hours on it since rebuild, will also fit EX1900.</p> |

Digging history: HCEA Canada opens its doors to demo vintage heavy equipment

HCEA Canada’s annual Wheels & Tracks in Motion event recently returned to the Simcoe County Museum.

In June, more than 60 pieces of historical construction equipment come out of retirement, as the Historical Construction Equipment Association Canada (HCEA Canada) invites the public to view its collection of restored machines.

The HCEA’s next public exhibit returns to the museum in the fall with the Last Blast at the museum on Oct. 19.



The Cletrac (Cleveland Tractor Co.) Model W, rated at 15 hp, was introduced in 1919 and is shown here pulling a tumblebug scraper.



A 1929 Adams #10 grader that was originally bought by Towland Construction of London, Ontario. Powered by a 10-20 McCormick-Deering 4-cylinder gas engine, it took HCEA Canada members several hundred volunteer hours to get it into working order.



A 1950s era International TD9 crawler tractor equipped with a Heil double drum winch handling a LeTourneau Model X pull scraper of the same era. Restored by the late Don Shiell and shown here with James Dick at the controls.

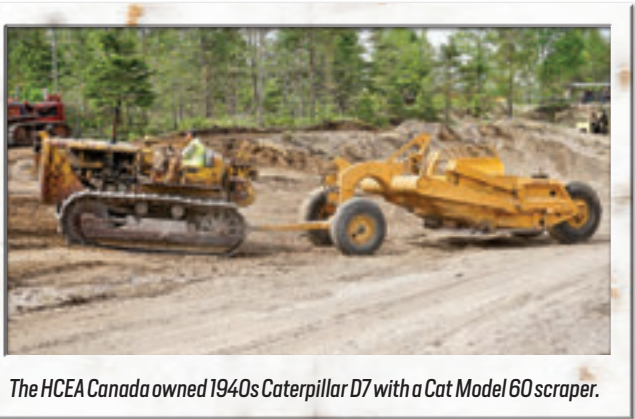


A John Deere Model 820 elevating scraper.



HCEA Canada member Art Van Camp operates his 1950s Caterpillar D7 dozer.

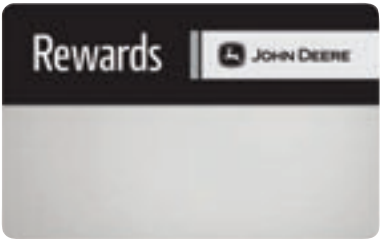




WORKSITE WORKHORSES THAT NEVER QUIT

Take your jobsite abilities to the next level with John Deere equipment that delivers the power, productivity and features you need for an easier workday.

Visit your local dealer to learn more about the John Deere Rewards program.
With Rewards,
the more you buy, the more you save!




GreenTractors.ca


HURON TRACTOR
HuronTractor.com


Podolinsky.com


HutchinsonFarmSupply.com


PremierEquipment.ca


GreenTech.ca

For more information, stop by your nearest Ontario John Deere dealership or visit online.



400+ USED MACHINES ONE CLICK AWAY

brandtused.ca 

What are you looking for?

Searching for used equipment just got a whole lot easier with advanced searches, currency conversion and monthly payment calculations. And every machine is backed by Brandt – the best-trained and committed after sales support team in the business.



1-888-2-BRANDT

FINANCING CUSTOMIZED, FLEXIBLE OPTIONS
FIND OUT MORE 1-855-711-4545



Record setter

Bauer trench cutter technology reaches 228 metres in Saskatchewan

In a joint venture with Nuna Logistics, Bauer Maschinen GmbH has set a new trench cutter depth record in Saskatchewan.

On June 17, Bauer Maschinen GmbH successfully completed the first 228 metre cutter bulk sample at Rio Tinto Exploration Canada's FalCon project.

The 228 metre depth has never been previously reached by a trench cutter in any commercial application worldwide.

For Bauer, the depth also proves its cutter technology cannot only be used in specialist foundation engineering, but is also suitable for the exploration and mining industry.

"It's groundbreaking in more ways than one. This is a significant milestone in using proven technology for a very different application. For us, it means that we will be able to make important exploration decisions on what has been, one of the most challenging diamond evaluation projects in the industry," said Gary Hodgkinson, project director at FalCon. "We look forward to continuing working with Bauer to embed this technology and other new innovations in our program."

The FalCon project of Rio Tinto Exploration Canada and Star Diamond Corporation aims to prove the commercial viability of the Fort a la Corne

kimberlite fields in Saskatchewan.

Due to the low grade of the kimberlites, Rio Tinto decided to use Bauer trench cutter technology to provide large-volume, high quality kimberlite samples for the final evaluation of the project in regard to diamond content and recovered diamond quality.

A Bauer BC 50 cutter on a Bauer MC 128 duty-cycle crane was used for bulk sampling to a maximum depth of 250 metres.

The BC50 features an overall height of 12.7 metres, a trench length of 280 cm and delivers 120 kNm of torque.

The 170 tonne MC 128 is powered by a 950 hp Cat C27 engine and provides a maximum lifting capacity of 200 tonnes.

In addition to the cutter and the base carrier, Bauer Maschinen GmbH supplied a BE 550 desanding plant and other accessories from Bauer MAT Slurry Handling Systems. The equipment was delivered to site on time and tested in September.

After a long winter break, operation started end of May 2019. The kimberlite is washed and bagged into bulk bags for further evaluation in multiple steps by the experts of Rio Tinto. Kimberlite on the FalCon project is covered by about 120 metres of overburden which poses a significant

additional challenge to the project.

Under the present contract, Bauer will execute several more bulk samples in 2019 on the FalCon project with the option to be extended into 2020. ■



Sales • Rentals • Service

OilQuick

Automatic quick coupler systems

- Eco-Friendly •Safe quick coupler system
- Coupler with no play •More cost effective
- Fast and efficient

Drumcutters

- Tunnelling
- Trenching
- Demolition
- Quarrying
- Soil mixing
- Refurbishment
- Foundation work
- Forestry clearance
- Under water excavations
- Slag removal in steel industry

ON Mississauga • Washago • Timmins • Stratford • Sudbury • Oshawa • Ottawa • Kingston QC Boisbriand • Rouyn • Chibougamau NB Moncton NS Dartmouth

Call: 1-855-625-0941 • CRDCREIGHTON.COM

BARRIE, ON • WEDNESDAY, JULY 17, 2019

ONLINE ONLY AUCTION

Heavy Equipment, Transportation & Timed Auction

BRINGING BUYERS AND SELLERS TOGETHER
•Consignment Commission Capped at \$1,000•
Visit website for full list on inventory!

Consign Today!

| | | |
|--|---|--|
| 1 of 2 2014 & 2013 Freightliner CA125SLP Cascadia | 2007 Sterling | 2003 Sterling |
| 2001 John Deere 410G 4x4 | Qty Of Unused Easy Kleen Magnum 4,000 PSI | 2015 Mercedes-Benz Sprinter Reefer Truck |
| 1922 Hupmobile Series R5 | Qty Of Unused Plate Compactors | 2001 Monaco Dynasty 40 Ft |
| 2003 Harley Davidson HLX883 Hugger 100th Anniversary Edition | 1969 Ford Mustang Boss 302 | 2007 Legend XCalibur 17 Ft |

1-888-376-3155 • AllStarAuctions.ca
AllStar Auctions Inc., 44 Line 9 South, Oro-Medonte, ON L0L 1T0

JOHN DEERE

M-K POWER PRODUCTS CORP.

**John Deere Industrial Engine
Authorized Distributor
for Ontario**

PARTS - SALES - SERVICE - SOLUTIONS

800-263-5011 m-k.com parts@m-k.com

VOLVO USED EQUIPMENT

For more information contact:

J.J Lyons

jjlyons@strongco.com

Mississauga Ontario

1.800.268.7004

1.905.565.3857

ALBERTA

Acheson

877.948.3515

Calgary

800.342.6523

Fort McMurray

855.799.4201

Grande Prairie

888.513.9919

Red Deer

866.950.3473

ATLANTIC

Dartmouth

800.565.1916

Moncton

800.332.3338

Mount Pearl

888.542.2202

ONTARIO

Burlington

800.668.9575

Kitchener

800.265.2488

London (Lambeth)

800.265.4762

Mississauga

800.268.7004

Ottawa

800.822.3308

Sudbury (Lively)

800.267.9833

Thunder Bay

800.465.5080

QUÉBEC

Baie-Comeau

866.996.3091

Boucherville

877.674.8380

Chicoutimi

800.323.1724

Laval

800.363.6789

St-Augustin

800.463.2662

Trois-Rivières

855.840.0828

Val-d'Or

800.561.4192



2016 Volvo DD120, 115 hrs, 78", HF 8 amp., adv. compaction, drum spray water pump. **\$230,000**



2014 Volvo L150G, boom susp, limited slip rear axle, 3rd fn hyd., auto lube, rear camera. **\$175,000**



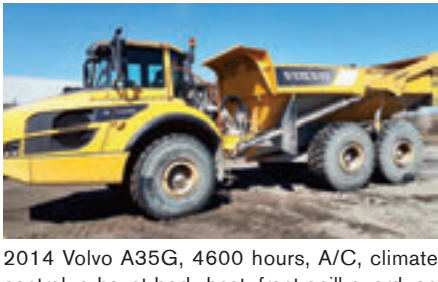
2015 Volvo L150H, 26.5R25 tires, 4.5yd³ GP bucket, auto shutdown, engine heater. **\$185,000**



2014 Volvo A40G, 2900 hours, rear vision, KAB air ride, tailgate, auto engine shutdown. **\$489,900**



2014 Volvo A25F, 2300 hours, tailgate, camera, heated mirrors, Kab seat. **\$376,500**



2014 Volvo A35G, 4600 hours, A/C, climate control, exhaust body heat, front spill guard, on board weigh system, colour RV camera, radio w/ blue tooth, tailgate. **\$410,000**



2014 Volvo A40G 3770 hours, rear vision, heated mirrors, tailgate, air ride KAB seat. **\$475,000**



2015 Volvo A25G 3300 hours, AC, suspension seat, rear view LCD camera, tailgate, auto engine shutdown, extra worklights. **\$320,000**



2015 Volvo A25G, 4100 hours, AC, suspension seat, rear view LCD camera, tailgate, auto engine shutdown, extra worklights. **\$272,900**



2013 Volvo A40F, 6100 hours, exhaust body heat, front spill guard, tailgate, colour RV camera, heated RV mirrors, extra work lights, warranty remaining. **\$349,000**



2013 Volvo A40F, 7400 hrs, KAB air susp. seat, rear camera, tailgate, newer tires. **\$255,000**



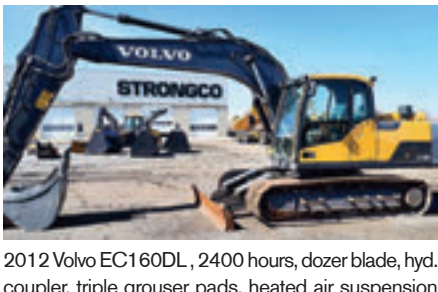
2011 Volvo EW180C, 2100 hours, aux. hyd., coupler, 36" bucket. **\$165,000**



2012 Volvo EC380 DL, 8600 hrs., 36" triple grouser, air susp. seat, Q/C, 60" bkt. **\$149,900**



2006 Volvo EC240, coupler, thumb, full piping and hyd., extra work lights, 1.5y bucket. **\$49,900**



2012 Volvo EC160DL, 2400 hours, dozer blade, hyd. coupler, triple grouser pads, heated air suspension seat, 1 pump double acting hyd., RV camera, A/C, pilot control pattern changer. **\$110,000**



2014 Volvo MTC 85 C demo unit, 2 speed, 50 hours, Heat/AC, deluxe package, 72" bucket. **\$66,850**



2016 Volvo MC 115 C, 110 hours, cab with heat & A/C, 2 speed, high flow. **\$59,500**



2016 Volvo MC85C, 80 hrs, heat & AC, boom susp., 2 Speed, 72" low profile bkt. **\$42,500**



ASV boosts torque on new VT-70 High Output CTL

ASV Holdings Inc. has unveiled its new VT-70 High Output compact track loader, featuring higher torque, an efficient hydraulic system and ASV's most comfortable cab to date.

The new mid-frame, vertical lift Posi-Track machine was introduced at a recent media event at ASV's headquarters in Grand Rapids, Minnesota.

"Fitting more power into our machines is a never-ending mission at ASV," said Justin Rupar, vice president of sales and marketing for ASV. "The impressively powerful VT-70 High Output will allow our customers to complete tough jobs quickly and efficiently."

The VT-70 High Output features 207 foot-pounds of torque. Higher torque allows for maximum performance, high speeds and minimal engine bog down in all applications.

"It's got an exceptionally good torque curve. It makes 74.3 hp clear down at 2,200 rpm, you can work that engine, and it's not just getting horsepower out of spinning fast, it's getting it by making torque," said Buck Storlie, ASV product line manager. "Torque is what does the work in the end."

Drive motors transfer the torque to ASV's patented internal-drive sprockets. Internal rollers reduce friction loss in the undercarriage, resulting in more power being transferred to the track regardless of drive speed.

As well, ASV built the machine with a turbo-charged 74.3-hp Deutz 2.2-litre diesel engine.

"It's almost an additional 10 hp from our VT-70 standard machine," Storlie said. "It's been an extremely reliable engine for us in testing."

The engine meets EPA Tier 4 Final emission standards utilizing a DOC-only exhaust after-treatment without a DPF or SCR. This eliminates downtime risks, maintenance and the costs associated with regeneration and diesel exhaust fluid.

The VT-70 High Output's hydraulic system feature direct drive pumps, which boost performance for even the most demanding attachments. The compact track loader's hydraulic system includes 3,300 psi of auxiliary pressure and 84 litres per minute standard flow. An optional 103.7 litres per minute high-flow system is available for greater performance with demanding attachments. The system features large line sizes, hydraulic coolers and direct-drive pumps, transferring more flow and pressure directly to the attachment.

The VT-70 High Output includes a rated operating capacity of 1,056 kg and a tipping load of 3,016 kg. The machine is 1.67-metre-wide and has a 3.21 metre lift height. The machine features speeds as fast as 18 km per hour. A self-levelling system allows attachments to stay at a set position while lifting.



Operators can use the unit with all standard attachments.

Posi-Track

ASV's purpose-built Posi-Track undercarriage allows customers to use the VT-70 High Output as an all-terrain, all-season machine with maximum control, flotation, traction and pushing power in steep, wet, muddy and slippery conditions.

The result for the VT-70 High Output, which contains 12 contact points per track and 38-cm-wide tracks, is a ground pressure of 4.6 psi. Numerous contact points and guide lugs also virtually eliminate the risk of track derailment.

A flexible rubber track with internal positive drive sprockets provides superior traction and track life. The open-rail and drive-sprocket design, rather than the enclosed tub system seen on many competitive undercarriages, results in increased sprocket and bogie wheel life along with easier and faster undercarriage cleaning. All of the wheels are exposed in the undercarriage, allowing material to spill out, reducing the risk of abrasive material getting trapped and wearing away at components.

ASV designs its Posi-Track and skid-steer loader frames separately to provide customers with the highest performance from each machine. The dedicated frame for the VT-70 High Output results in ground clearance of 33 cm. This allows the unit to easily travel over logs, stumps, rocks and other obstructions with less risk of getting hung up. ASV's purpose-built chassis also provides a 37-degree departure angle, decreasing the risk of the machine getting stuck when starting to climb a steep hill.

VT-70 High Output serviceability

The VT-70 High Output includes time-saving serviceability features that offer access to all sides of the engine compartment and daily checkpoints. ASV used advanced en-

gineering solutions to design the machine with a swing-out radiator, top hood and side doors. The machine's cooler swings out with the door, allowing total access for cleaning and improved machine performance due to the cleaner cooler.


ASV built the VT-70 High Output with a direct-drive pump, eliminating the labour-intensive belt servicing that comes with belt-driven pumps. The compact track loader includes convenient drain plugs on all service items to speed the draining process. Operators can easily reach the plugs without removing the tracks. Rather than hose clamp-mounted filters, the VT-70 High Output features easy-to-access spin-on, frame-mounted filters for simple, single-wrench service. Greasing is simple thanks to Zerk fittings on the end of all pins.

Operator comfort

ASV's patented Posi-Track undercarriage

also contributes to operator comfort. An included suspension system made up of two independent torsion axles per undercarriage allows for a smooth ride over every type of terrain.

The new machine also features ASV's most comfortable cab to date. ASV designed it to allow easier entry and exit and to boost visibility. It features standard joystick controls to make operation easy and intuitive. Ride control is available to dampen the load in the bucket, limiting material loss and improving operator comfort. An optional bucket positioning system keeps the bucket level while lifting, reducing spillage. In addition, a suspended air ride seat contributes to additional comfort and a rearview camera and monitor boosts safety and visibility.

"The operator experience is improved greatly by what may sound like small features, but when you add those things up it makes for a nicer seated position," Storlie said. 



2008 VOLVO GRADER G970, VCEG910A00042875, s/n 5 shank ripper w/3 shanks, A/C, less than 25 hrs on new engine/frame 6295 hrs.



2007 KOMATSU D85EX-15E, s/n 11294, 3300 hours, straight blade, double tilt, ripper 3 shank, A/C.

PARTS: 1997 KOMATSU PC300-6 EXCAVATOR & 1981 TEREX SCRAPER TS24



1993 ASPEN TRAILER, certified, approx. 100,000 kms, s/n 9LB604PS037074



2007 KOMATSU PC300LC-7, 60 ft Pierce long reach & 12.5 ft. stick, aug. hyd., A/C, 4100 hrs, s/n SNA88764



FINANCING AVAILABLE
Call 306-634-9911 or rsw@sasktel.net



Case 580/590 Axles From: \$5,995.00 Exchange

Case#


87417388 - 113561A3

427084A1 - 116361A2



Rebuilt Axle 6 months 1000 hours Warranty

Now Stocking JCB Parts



Clark/Dana



Carraro



FUNK




JCB

For All Your Clark/Dana /Carraro/Funk/JCB Powertrain



Seal Kits - Bearing Kits - Hard Parts - Disc Kits- Charge Pumps

Canada's Official Spare Parts Distributor  **CARRARO**  **FUNK**
DRIVETRAIN COMPONENTS

www.bpt.on.ca 800-268-0051 Toronto/Sudbury ON

PURPOSE-BUILT FROM THE GROUND UP

GET THE DETAILS ON WHY YOUR NEXT SCRAP & STEEL MATERIAL HANDLER SHOULD BE A SENNEBOGEN »



What if your purpose for a purpose-built scrap handler isn't quite the same as the other guy's purpose?

Only SENNEBOGEN scrap handlers are purpose-built one machine at a time to meet *your* goals.

Maximum Throughput • Built-in Safety

Think of the possibilities!

See how SENNEBOGEN can purpose-build the right machine for you at

www.sennebogen-na.com/scrap

www.sennebogen-na.com | +1-704-347-4910

- Diesel and electric-drive machines from 44,000 to 750,000 lbs.
- Full range of rubber tired, tracked and stationary models with customized boom & stick configurations.

SENNEBOGEN®

British Columbia

Great West Equipment

Campbell River, BC
Tel: (250) 286-0123
Cranbrook, BC
Tel: (250) 426-6778
Fort St. John, BC
Tel: (250) 785-4223
Kamloops, BC
Tel: (250) 372-3996
Nanaimo, BC
Tel: (250) 716-8804
Prince George, BC
Tel: (250) 612-0255
Surrey, BC
Tel: (604) 882-5051
Terrace, BC
Tel: (250) 635-9033
Vernon, BC
Tel: (250) 549-4232
Williams Lake, BC
Tel: (250) 392-9599
www.gwequipment.com

Alberta

Strongco

Acheson, AB
Tel: 1-877-948-3515
Calgary, AB
Tel: 1-800-342-6523
Fort McMurray, AB
Tel: 1-855-799-4201
Grande Prairie, AB
Tel: 1-888-513-9919
Red Deer, AB
Tel: 1-866-950-3473
www.strongco.com

Saskatchewan

Redhead Equipment

Estevan, SK
Tel: (306) 634-4788
Lloydminster, SK
Tel: (306) 825-3434
Melfort, SK
Tel: (306) 752-2273
Prince Albert, SK
Tel: (306) 763-6454
Regina, SK
Tel: (306) 721-2666
Saskatoon, SK
Tel: (306) 934-3555
Swift Current, SK
Tel: (306) 773-2951
www.redheadequipment.ca

Manitoba

Westcon Equipment & Rentals Ltd.

Winnipeg, MB
Tel: 1-800-453-2435
www.westconequip.ca

Ontario

Strongco

Ottawa, ON
Tel: 1-800-822-3308
Sudbury, ON
Tel: (705) 692-0552
Thunder Bay, ON
Tel: (807) 475-3052
www.strongco.com

Top Lift Enterprises, Inc.

Caledon, ON
Tel: (905) 857-5200
Stoney Creek, ON
Tel: (905) 662-4137
www.toplift.com

Quebec

Strongco

Baie-Comeau, QC
Tel: 1-866-996-3091
Chicoutimi, QC
Tel: 1-800-323-1724
St-Augustin, QC
Tel: 1-800-463-2662
Trois-Rivieres, QC
Tel: 1-855-840-0828
Val d'Or, QC
Tel: 1-800-561-4192
www.strongco.com

Top Lift Enterprises, Inc.

Sherbrooke, QC
Tel: (819) 612-5438
St-Laurent, QC
Tel: (514) 335-2953
www.toplift.com

Newfoundland and Labrador

Strongco

Mount Pearl, NL
Tel: (709) 747-4026
www.strongco.com

New Brunswick

Strongco

Moncton, NB
Tel: (506) 857-8425
www.strongco.com

Nova Scotia

Strongco

Dartmouth, NS
Tel: (902) 468-5010
www.strongco.com

Prince Edward Island

Strongco

Tel: (902) 468-5010
www.strongco.com

Metso acquires McCloskey

Metso has signed an agreement to acquire McCloskey International, a Canadian mobile crushing and screening equipment manufacturer.

The acquisition, valued at \$420 million, aims to expand Metso’s offering in the aggregates industry globally and to strengthen its customer reach especially to general contractor customers.

The mobile aggregate equipment market is expected to grow by 4 to 6 per cent annually leading up to 2023, driven by underlying road construction investments.

By acquiring McCloskey, Metso will be able to better take part in the attractive growth of mobile products within the aggregates industry.

“This acquisition is in line with Metso’s profitable growth strategy,” said Pekka Vauramo, Metso’s president and CEO. “It strengthens our aggregates business in key growth areas. The different cycles of aggregates balance our previously more mining focused minerals portfolio well.”

The acquisition is expected to close during the fourth quarter of 2019.

Markku Simula, president of the aggregates equipment business area in Metso, added customers in aggregates and construction have varying business needs.

“This acquisition supports our expansion plans to approach customers through multiple complementary channels and offerings to meet their diverse needs,” Simula said. “Going forward, Metso plans to continue developing the McCloskey brands and distribution channels independent of the Metso channel. Synergies are apart from sourcing mainly revenue related, resulting from the wider offering available to both channels as well as additional crusher

equipment, service and consumable sales.”

McCloskey sales

In the 12-month period ending Sept. 30, 2018, McCloskey had sales of \$464 million and a pro forma EBITDA margin of 10.3 per cent.

The company’s sales in the fiscal year ending Sept. 30, 2019, are expected to exceed \$500 million. McCloskey has about 900 employees in Canada, the United States and Northern Ireland.

“We are proud of the growth achieved in a competitive market. I know that joining Metso is the right move for all our customers, employees, dealers and business partners. The combination of our unique focus on products and people and Metso’s global resources will help create even better solutions for our customers,” said Paschal McCloskey, founder, president and CEO of McCloskey.

The enterprise value of the transaction is \$420 million, payable at closing with an additional profitability-based earn-out consideration of up to \$35 million for the two-year period after closing. The transaction is expected to be positive for Metso’s earnings per share in 2020. McCloskey will be reported in Metso’s Minerals segment.

McCloskey, based in Peterborough, Ontario, designs and manufactures innovative crushers, screeners, stacking conveyors and washing systems.

Since 1985, McCloskey International has provided equipment used across industries including aggregate, mining, construction and demolition, waste management and recycling, landscaping and composting.

During its expansion over the past year, McCloskey acquired Lippmann-Milwaukee



in the third quarter of 2018. Lippmann is a manufacturer of aggregate crushing equipment for processing applications. Headquartered in Milwaukee, Wisconsin,

USA Lippmann was established in 1923 and has dedicated itself to producing the highest quality crushing equipment on the market. **EJ**

Best Quality Attachments At The Lowest Possible Price!

shaw Bros.
QUALITY ATTACHMENTS

Barrie, ON
1-877-625-9677

www.shawbros.ca
info@shawbros.ca



Attachments for all your EXCAVATOR needs and so much more!
Augers • Breakers • Brush Cutters • Buckets • Compactors • Demolition • Grapples • Quick Couplers • Rippers • Compactors • Rubber Tracks • Thumbs • Screw Pile Drivers

“SWITCHING TO BOBCAT MACHINES WAS A NO BRAINER AFTER RUNNING THE FIRST ONE AT A COUPLE JOBS”

Colin Imrie (left), sales specialist for Bobcat of the Tri Cities stands with Justin Baker, operations manager for Wright Landscape Services, where the crew is busy bringing this excited homeowner’s landscape design to fruition in Bloomington, Ont.

Dave Wright, owner of Wright Landscape Services, could always envision himself working in the family business that was started in 1967 by his father. After establishing himself as a successful Landscape Architect on large projects throughout North America at other companies, he was ready to take over the family business.

Wright Landscape is a full service design-build and maintenance company that services the Tri-Cities area, handling everything from the municipal design approval process to construction and



maintenance.

Dave attributes much of their success to bringing in Justin Baker as their operations manager. “His background has always been in landscaping, he loves what he does, and he loves seeing things built. As soon as a business owner is able to delegate, to entrust his employees to run things, the company grows.” stated Dave.

The company bought its first Bobcat ® machine in 2003, the S185 compact skid-steer. Dave had tried out several brands, but it came down to the usability of the Bobcat machines. At the time Bobcat had come out with hand controls (selectable joystick controls) which were easier than the dual foot pedals controls.

Justin commented “I like the Bobcat machines because of their durability,

smooth ride, and they are all around good machines. My standards were set pretty high from previous manufacturers, but realized switching to Bobcat machines was a no brainer after running the first one at a couple jobs. We then bought two Bobcat T650 compact track loaders, two E32 compact excavators and recently the E85 compact excavator and a T595 compact track loader.”

When asked about service Dave stated “I really liked working with Trevor Sloan. He took really good care of us. Bobcat is a great a machine, but it comes down to the relationship with the dealership. If a machines goes down, Trevor was right there to fix it.”

“All the team at Bobcat of the Tri Cities has supported us as equally as Trevor has.” Justin added.

Thanks Dave and Justin.



CALL YOUR LOCAL AUTHORIZED BOBCAT DEALERS

KITCHENER
Bobcat of the Tri Cities Ltd.
1-866-214-3939
bobcatoftc.com

BARRIE
Bobcat of Barrie
1-888-637-RENT
bobcatbarrie.com

BRANTFORD
Bobcat of Brantford
519-752-7900
bobcatofbrantford.com

CASSELMAN
Bobcat of Ottawa Valley
613-764-2033
bobcatov.com

CORNWALL
Bobcat of Ottawa Valley
613-932-2034
bobcatov.com

COURTICE
Bobcat of Durham East Ltd.
905-404-9990
bobcatofdurhameast.com

FRANKFORD
John’s Equipment
613-398-6522
bobcat.johnsequipmentsales.com

GREY BRUCE
Bobcat of Grey Bruce
519-372-9100
bobcatoftc.com

HAMILTON
Bobcat of Hamilton
905-643-3177
bobcatofhamilton.com

OTTAWA
Bobcat of Ottawa Valley
613-831-5166
bobcatov.com

LONDON
Bobcat of London
519-455-4900
bobcatoflondon.ca

PARRY SOUND
Bobcat of Parry Sound Ltd.
705-342-1717
bobcatofparrysound.com

STRATFORD
Bobcat of Stratford
519-393-6040
bobcatofstratford.ca

STRATTON
Stratton Equipment
807-483-5505
strattonequipment.com

SUDBURY
McDowell B Equipment Ltd.
705-566-8190
bmcdowell.com

TORONTO
Bobcat of Toronto
416-679-4172
bobcattoronto.com

TORONTO EAST
Bobcat of Toronto
416-679-4171
bobcattoronto.com

**ACKLANDS
GRAINGER®**

**FROM HAND RACHETS
TO HAND SANITIZERS,
WE'VE GOT YOU COVERED.**

Get them now at [AcklandsGrainger.com](https://www.AcklandsGrainger.com)

Modern Crane recruits Canada's first Demag AC-300-6

Canada's first Demag AC-300-6 all-terrain crane has arrived in Milton, Ontario.

Modern Crane received the new all-terrain crane to help assemble tower cranes.

Modern Crane is a division of the Pumpcrete Corporation, which is active in the heavy lifting, concrete pumping, heavy haul and transportation sectors. The company purchased the new crane from Terex Cranes distributor, Cropac Equipment.

According to Aaron Hanna, vice president of sales for Modern Crane, the Demag AC-300-6 all terrain crane's long main boom was a crucial feature in the company's crane selection.

"The crane has the reach we need, and it is easy to set up on job sites where there are potentially impeding obstacles," Hanna said.

Modern Crane owner Mark Williams added the new Demag all terrain crane will give the company a significant advantage in the market place.

"It features the latest in crane technology that will help our team work more efficiently, and we consider Demag to be the pinnacle of



heavy lifting cranes on the market" he said.

Some of the features Williams is referring to include the Demag single-engine concept with an intelligent motor management system to help reduce maintenance expenses. As well, the IC-1 Plus control system with asymmetric outrigger positioning allows the AC 300-6 to perform jobs usually reserved for larger machines.


The six-axle Demag AC 300-6 all-terrain crane has a 300 tonne capacity classification, features an 80 metre main boom and is the smallest crane in the Demag All Terrain range equipped with a luffing jib. The unit's 80-metre main boom is designed to perform jobs at

heights up to 78 metre or 74 metre radius without rigging a jib.

With a 15 tonne lifting capacity when the main boom is fully extended, the Demag AC 300-6 is an excellent unit for erecting tower cranes.

Cropac President Bill Finkle said that North America has more tower cranes than anywhere else in the world, and the Demag AC-300-6 crane has a large capacity compared to other units in the field.

"We expect this crane to be popular throughout the region for a long time to come," he stated.

"I think there is great value and merit and only makes Modern, Cropac and Demag stance stronger," Hanna added. 



**Construction and Mining Equipment
Sales & Rentals**



(2) 2014 JOHN DEERE 370E
Heat boxes, tail gates, approx. 8,500hrs since new. **READY TO WORK!** **\$CALL**



2014 CAT D4KII
450 hrs since new! NO DEF, tier 4, EPA label, eco mode. **READY TO WORK!** **\$CALL**



(3) 2014 CAT TL642C
6,000 lb., capacity, enclosed cab, forks, Q/C, aux. hyd. **\$40,000 Each**

705-923-4779
*If we don't have it,
we can locate it!*



2012 BOBCAT S850
Enclosed cab, radio, A/C & heat, aux. hyd., 3,900hrs, Q/C bucket. **ONLY \$35,000**



JLG 120HX
4 wheel drive, 4 wheel steer. 120" work height. **ONLY \$8,500**

**TIM McDOWELL
EQUIPMENT LTD.**

21 Thomson Rd
Skead, On CA
P0M2Y0

ben@mcdowellequipment.com
www.mcdowellequipment.com

TRI-CITY EQUIPMENT

Industry leader in on-site equipment and earthworks solutions.

Your Heavy Equipment Rental Headquarters

FOR RENT ONLY



2017 CAT 335, zero swing tail, loaded coupler, tool control.

CAT NEXT GEN - ARRIVING SOON!



CAT 336, coupler, hydraulics equipped with grade assist and e-fence options.



CAT 349E, quick coupler, grade assist, choice of buckets



2015 DOOSAN DX 190W, fully equipped, dozer blade, aux. hyd., 60" wrist-a-twist, 3200 hrs. **\$165,000**

60 FOOT LONG REACH



2016 VOLVO EC250CLR, 60 foot reach, choice of digging or ditching bucket.



2017 CAT D5K2 XL, grade control, 6 way blade, LGP also available.



2017 CAT D6N LGP, fully equipped with grade control.



2018 CAT D6T LGP, VPAT, 3 shank ripper, grade control and ARO ready.



2019 CAT 930M, Q/C, 3rd valve forks and bucket. **FOR RENT ONLY**



2014-2017 CAT 930K, Q/C, 3rd valve, bucket, forks, fully equipped.

FOR RENT ONLY



2019 CAT 730, new series, heated box. Avail. w/tailgates+flotation tires.

30 & 35 TON IN STOCK TOO!



2014 VOLVO A40G, tailgates, 29.5 tires



2018 BOMAG BW211, 84" smooth drum packers in stock, cabs A/C.

CONTACTS:

Jeff Armishaw: (519) 240-2115 Main Phone: (519) 767-9628
Don Tindall: (519) 827-4294 Fax: (519) 837-1161

TOLL FREE:

1-800-646-2064

VISIT US:

91 Monarch Road, Guelph ON, N1K 1S4

EMAIL US:

info@tri-cityequipment.com

Tri-City Equipment is a 100% privately owned Canadian corporation.

www.tri-cityequipment.com

IN YOUR AREA

We are organizing new Cat machine demonstrations!



**WE HAVE
LOTS OF NEW
MACHINES**

Excavators
Dozers
Backhoe loaders
Wheel loaders

**COME TRY
THEM OUT!**

Ottawa
Sudbury

Hamilton
Winnipeg

SPACES ARE LIMITED.
Register now.

1 866 635-3610 | toromontcat.com/demodays

TOROMONT



Link-Belt launches new x4 material handler in Canada

Boasting improved smoothness, manoeuvrability and precision, LBX Company is introducing the new Link-Belt 600 X4 Material Handler (MH) in Canada and the United States.

The 600 X4 MH features an electronically-controlled 362 hp Isuzu engine that meets Tier 4 Final requirements, without the need for a diesel particulate filter (DPF).

The 600 X4 MH is purpose-built for material handling and demolition applications, featuring a two-piece attachment with hose burst check valves. The machine has a straight boom and droop-nose arm. As well, the hydraulics package features award-winning Spool Stroke Control (SSC) technology to achieve maximum control and productivity.

“The new hydraulics package delivers faster cycle times than its predecessor,” said Adam Woods, product manager at LBX Company. “This performance increase is largely due to a new proprietary control valve with a larger hydraulic passage area. But we didn’t stop there. We increased the size of arm, boom and auxiliary spools to reduce pressure loss and distribute oil more smoothly. Two electrically-controlled Kawasaki pumps and one Kawasaki gear pump assure that hydraulic flow gets delivered precisely when and where it’s needed. The end result is more smoothness, manoeuvrability and precision across all operating modes.”

Also, the performance enhancements included on the 600 X4 MH were achieved without compromising fuel efficiency.

“A 3 per cent DEF consumption rate, combined with a large DEF tank gives it the longest DEF refill interval in the industry,” Woods added.

The X4 cab is designed to maximize operator comfort and convenience, featuring a standard air suspension seat with a 5-degree tilt. Arm rests move proportionally with the console, which means that the distance and angle between joysticks and operator remains the same, no matter how the seat is adjusted.

Furthermore, a hinged OPG Level 1 front guard and ISO guard rails and mirrors are standard. Fixed OPG Level 2 front guard and FOPS Level 2 top guard are also available.

The hydraulic cab riser features a higher operator view of 5.9 metres at eye level height.

A large, 18 cm LCD colour monitor allows the operator to easily navigate a full menu

| LINK-BELT 600 X4 MH SPECS | |
|---------------------------|--------------------|
| Net Horsepower: | 362 hp @ 2,000 rpm |
| Operating Weight: | 57,277 kg |
| Swing Torque: | 111,000 lbf-ft |
| Swing Speed: | 9.1 rpm |
| Engine Make: | Isuzu |
| Engine Model: | AQ-6HUX |
| Max Travel Speed: | 5.3 km/h |

of user-friendly controls to take command of the excavator and attachments. The standard rear-view camera is accessible through the monitor, displaying a panoramic view of the worksite from the rear of the machine, with sight guidelines that can be turned on or off by the operator.

Rear and side lights may also be added to the camera system. An under-cab camera option provides all-around visibility and safety.

For the ultimate in visibility, the Wide Angle Visual Enhancement System (WAVES) can be added.

“WAVES is an exclusive, award-winning feature for Link-Belt X4 material handlers and scrap loaders,” Woods said. “The system is easy to use and includes three closed-circuit, high resolution cameras that provide a seamless 270-degree viewing envelope with no blind spots.”

Other notable cab features include dual LED cab lights; a

cup holder and storage areas for cell phones and other small items; joysticks with easy-to-hold grip and radio mute buttons; MP3 audio input; and Bluetooth for hands-free communication.

RemoteCARE GPS telematics system allows 24/seven remote monitoring and security. The system enables you to track daily fuel economy and machine performance with ease. It lets you be more proactive if potential failure conditions arise; flashing diagnostic codes on the monitor quickly alert the operator to potential trouble and an e-mail alert is automatically sent. The system also provides machine location in real time for better job supervision and remote security monitoring. A lifetime subscription is included at no extra charge.

The 600 X4 MH features a heavy-duty, high-wide undercarriage, oversized turn table, and larger drive motors for dependable service. With any



Link-Belt product, the bearing tub extends down through the top plate of the expandable carbody and is welded to the bottom and top plates of the carbody for exceptional strength and durability. As well, 750 mm 3-bar steel grousers, carbody belly pan, double track guard and sealed link chain are standard.

Servicing the 600 X4 MH is simple, with convenient access to all routine service points, including sample ports for engine and hydraulic oil. All service ports are easily accessed via hand-turn knobs. ■

**TE**
Tarten

ALL MAKES
ALL MODELS

AUTHORIZED DISTRIBUTOR

POWERTRAIN SPECIALISTS

TRANSMISSIONS - AXLES - STEERING

PARTS - EXCHANGE - REBUILDS

TARTEN EQUIPMENT LIMITED

6199 Shawson Drive Mississauga, ON L5T 1E5

Phone: 905 670 1704 Fax: 905 670 4790

Toll Free: 1 888 670 1704 WWW.TARTEN.COM

COMMITTED TO SERVICE EXCELLENCE SINCE 1976

**MORGAN'S**
DIESEL TRUCK PARTS INC.

KINGSTON, ONTARIO

USED PARTS
FOR HEAVY EQUIPMENT & TRUCKS



1-800-267-0633

**We Sell
Used Equipment
& Trucks**

VISIT
morgan-diesel.com
FOR OUR **COMPLETE** INVENTORY

**NYE**

THE KING OF HEAVY DUTY!



DGX DEMOLITION GRAPPLE

Nye DGX premium quality demolition grapples are designed for the most severe demolition, rock and waste handling applications.

Put our expertise to work for you.

905 897 2311
sales@nye.ca
nye.ca

Nye Manufacturing Ltd.
3585 Mavis Road, Mississauga, ON Canada L5C 1T7



MOORE

0%

for up to

60

Months

Financing

= Moore Savings

*some restrictions apply. Call for details

TELESKID

» Net Engine Power: 74 hp
» Operating Capacity: 3,695 lb
» Operating Weight: 12,615 lb

MOOREJCB.COM

WEST

Nick D'Onofrio

416-417-1539

nick@moorejcb.com

EAST

Troy Leikauf

647-206-6663

tleikauf@moorejcb.com

MONTREAL

4955 CHEMIN ST FRANÇOIS,
ST. LAURENT, QC H4S 1P3

1-800-363-4958

514-333-1212

PARTS SPECIALIST

DENIS DUBREUIL

DDUBREUIL@DICKIEMOORE.COM

TORONTO

370 OAKDALE RD.,
TORONTO, ON M3N 1W5

1-800-561-3212

416-747-1212

PARTS SPECIALIST

MATTHEW WALTERS

MWALTERS@MOOREJCB.COM

ROUTE TRANSCANADIENNE 40

13

JCB

CHMIN ST FRANÇOIS

ROUTE SAINT ANDRÉ

SALES, RENTALS, PARTS & SERVICE

UPCOMING EVENTS IN 2019

PUBLIC WORKS EXPO

September 8-11, 2019

Washington State Convention Center

Seattle, Washington

pxw.apwa.net

LANDSCAPE ONTARIO SNOWPOSIUM

September 26, 2019

Landscape Ontario site

Milton, Ontario

snowposium.ca

ICUEE

October 1-3, 2019

Kentucky Exposition Center

Louisville, Kentucky

icuee.com

NHLA CONVENTION AND EXHIBIT

October 2-4, 2019

Sheraton New Orleans

New Orleans, Louisiana

nhla.com

WASTE & RECYCLING EXPO CANADA

October 9-10, 2019

Enercare Centre

Toronto, Ontario

cwre.ca

HARDSCAPE NORTH AMERICA

October 16-18, 2019

Kentucky Exposition Center

Louisville, Kentucky

hardscapena.com

BUILDEX ALBERTA

November 6-7, 2019

BMO Centre

Calgary, Alberta

buildexalberta.com

INTERNATIONAL CEMENT SEMINAR

November 19-21, 2019

Cobb Galleria Centre

Atlanta, Georgia

internationalcementseminar.com

THE BUILDINGS SHOW

December 4-6, 2019

Metro Toronto Convention Centre

Toronto, Ontario

thebuildingsshow.com

LANDSCAPE ONTARIO CONGRESS

January 7-9, 2020

Toronto Congress Centre

Toronto, Ontario

locongress.com

Visit EquipmentJournal.com for daily news, events & updates

MAGNUM

ATTACHMENTS

magnumattachments.com

MAXIMUM

PRODUCTIVITY

For the profit end of your machinery

GRAPPLES

HYDRAULIC BREAKERS

COMPACTORS

TILTROTATORS

SHEARS

PULVERIZERS

1-877-640-2862

info@magnumattachments.com

Kioti's Canadian distribution centre opens

Kioti Tractor has officially opened its new Canadian Distribution Centre.

On June 4, Kioti Tractor, a division of Daedong-USA, was joined by local officials, media members, Canada's Olympic curling team and Kioti dealers to cut the ribbon to officially open the Canadian distribution centre.

"It is our dealers' commitment to Kioti that has allowed us to come this far, and we know that this expansion will serve our growth in the future," said Daedong Industrial Chairman Jun Sik Kim.

The 5,575 square metre facility — a mix of office and warehouse space located in Mississauga, Ontario — aims to reduce shipping and delivery times for Kioti dealers in Canada, as well as increase support for the company's end users.

"At Kioti, we are committed to delivering outstanding service to our growing network of dealers," said Peter Dong-Kyun Kim, president and CEO of Daedong-USA, Kioti Tractor Division. "This expansion illustrates that commitment, and will allow us to provide unmatched availability and delivery of products to our Canadian dealer partners and customers."

The Canadian presence expands upon Kioti's North American distribution network by strategically placing assembled inventory and parts in key market, ready for expedited delivery to dealers. Longer term, the facility will support the planned growth of Kioti's dealer network—making product and parts availability and simplified logistics a reality for both current and future dealers across Canada.

The Canadian expansion follows a \$13 million, 15,000 square metre warehouse expansion and nearly 1,400 square metre office addition to Kioti's North American headquarters in Wendell, North Carolina.

"After 30 years of consistent growth in North America, we are pleased with the progress we have made in 2018 on expanding both our North American headquarters and establishing our new Canadian operation," said Anna Kim, chief operating officer.

"In Canada, specifically, Kioti seeks to create a positive economic impact on the greater Toronto metro area, which will begin by employing several full-time individuals in the distribution centre in the near future."

A WIRTGEN GROUP COMPANY



The Most Innovative Paver Technology!

VÖGELE SUPER 1700-3I / SUPER 1703-3I

VÖGELE SUPER 2000-3I / SUPER 2003-3I



THE NUMBER ONE ON THE GLOBAL MARKET presents the “Dash 3” paver generation for the North American market. The 8-foot SUPER 1700-3i track and SUPER 1703-3i wheel and the 10-foot SUPER 2000-3i track and SUPER 2003-3i wheel pavers are available with an unparalleled range of screed offerings including front and rear-mounted vibratory screeds to high-compaction screeds. The new pavers include the intuitive ErgoPlus 3 operating system along with a few enhancements including VÖGELE EcoPlus and PaveDock Assistant.

 www.wirtgen-group.com/america

WIRTGEN AMERICA, INC. · 6030 Dana Way · Antioch, TN 37013 · Telephone: (615) 501-0600

POWER AND PERFORMANCE



JCB is the world's leading backhoe loader manufacturer. JCB's seven backhoe models range from the versatile 3CX COMPACT, with full-size backhoe capability in a 35 percent smaller frame, to the 4CX-15 SUPER, the largest backhoe loader on the market with more than 20 feet of dig depth and 13,730 lbf of excavator breakout force.

Contact your local JCB dealer or visit www.jcb.com for more information.

YOUR FAMILY OF LOCAL JCB DEALERS

ALBERTA

Liftboss JCB

Calgary: 403-301-0041
Edmonton: 780-474-9900

NEW BRUNSWICK

A.L.P.A. Equipment

Balmoral: 506-826-2717
Fredericton: 506-452-9818
Edmundston: 506-735-4144

NOVA SCOTIA

A.L.P.A. Equipment

Truro: 902-897-2717

NEWFOUNDLAND

Harvey JCB

St. Johns: 709-738-8911
Corner Brook: 709-639-2960

ONTARIO

Advance JCB

Waterloo: 519-742-5878
Harriston: 519-510-5878

D&W Group Inc.

Doughty & Williamson
Jarvis: 519-587-2273

Norfolk Tractor
Simcoe: 519-426-1090

Brant Tractor
Burford: 519-449-2500

Redtrac International
Vineland: 905-562-4136

**Hub International
Equipment Ltd.**

Lindsay: 705-324-6136
Port Perry: 905-982-1500

Jade Equipment

Barrie: 705-325-2777

John's Equipment

Sales & Service
Frankford: 613-398-6522

Miller Technology

North Bay: 705-476-4343

**ReadyQuip Sales &
Service Ltd**

Timmins: 705-268-7600



 /JCBNA  @JCBNA  JCBNA

Moore JCB

Toronto, York & Peel
Region: 416-747-1212

Reis JCB

Ottawa: 613-836-3033
Winchester: 613-774-2273
St. Isidore: 613-527-1501
Renfrew: 613-432-4133

PEI

A.L.P.A. Equipment
506-452-9818

QUEBEC

A.L.P.A. Equipment
Gaspésie: 506-826-2717

Bossé & Frère JCB

Montmagny: 418-248-0955
St. Damase: 450-344-0111

Micanic

Saint-Augustin-de-
Desmaures: 418-878-2241

Moore JCB

Montreal: 514-333-1212

**SASKATCHEWAN
& MANITOBA**

Westcon JCB

Regina: 306-359-7273
Saskatoon: 306-934-3646
Winnipeg: 204-694-5364

TOROMONT



USED EQUIPMENT

FOR MORE USED EQUIPMENT, VISIT
used.toromontcat.com



PRICE
\$139,000

2015 CAT 311FLRR EXCAVATOR
4,110 HRS, TOR-1TCT4F 9'2 24" TG TC QCR, WINDSOR.



PRICE
\$48,000

2006 CAT 315CL EXCAVATOR
12,581 HRS, TORONTO.



PRICE
\$87,000

2008 CAT 320DL EXCAVATOR
11,471 HRS, LONDON.



PRICE
\$102,000

2008 CAT 325DL EXCAVATOR
9,733 HRS, 20'2B, 12'4S, 32" TGB, AC, QC, HP, HYD., 42" GP BKT, 50% UC CLEAN, KINGSTON.



PRICE
\$225,000

2013 CAT 328DLR EXCAVATOR
6,102 HRS, LCR, 10'6 S, 34" TG, QC, TC, HAMILTON.



PRICE
\$239,000

2013 CAT 329EL EXCAVATOR
7,882 HRS, SUPER LONG REACH, 32" TG, TORONTO.



PRICE
\$131,000

2010 CAT 336D EXCAVATOR
16,648 HRS, 21'4B, 12'10S, QC, HP TOOL CONTR 34", TGB ALUBE, GP BUCKET, OTTAWA.



PRICE
\$172,000

2013 CAT 336EL EXCAVATOR
8,960 HRS, 12'10" HD S 34" TG, SUDBURY.



PRICE
\$130,000

2008 CAT 345DLV EXCAVATOR
16,714 HRS, QC, VG, 30' HD BM, 11' STK, 72" BKT, SUDBURY.



PRICE
\$40,000

2002 DEERE 200CLC EXCAVATOR
14,079 HRS, LONDON.



PRICE
\$54,000

2005 DEERE 270CLC EXCAVATOR
8798 HOURS, SUDBURY.



PRICE
\$205,000

2016 DEERE 290G EXCAVATOR
2,311 HRS, HP HYDRAULICS, QC 42", GP BUCKET 32" TGB AC, TORONTO.



PRICE
\$220,000

2013 CAT 140M2 MOTOR GRADER
6,559 HRS, 14' MLDBD, 17.5, BRANDON.



PRICE
\$35,000

1992 CAT 950F WHEEL LOADER
31,859 HRS, 4YD/EDGE, LONDON.



PRICE
\$83,500

2008 CAT D5KLP DOZER
8143 HRS< LGP CAB, 3V, 26" SGB, WINNIPEG.

Contact your local Toromont Cat sales representative for details.

1 800-268-1965

MAKE YOUR OPERATIONS

**BETTER.
FASTER.
SAFER.**

**REGISTER NOW FOR
ICUEE 2019
WWW.ICUEE.COM**

Photograph Courtesy of Vermeer

North America's Largest Utility & Construction Trade Show

**1,000+ Leading Manufacturers & Service Providers
More than 28 Acres of New Products
18,000+ Utility & Construction Professionals**

Utility & construction professionals worldwide use ICUEE to make informed purchasing decisions that position their businesses & teams for success.



October 1-3, 2019, Louisville, KY | Register Now at www.icuee.com

EQUIPMENT FEATURE

ATTACHMENTS



From left: AMI Attachments' ownership team: Darren Bauman, Dwight Myer, Ian Martin, Steve Frey and Bernie Howorth.

How AMI cut its teeth in the attachment business

Steve Frey still vividly recalls the first attachment his company made for the construction industry.

After Frey started the agriculture-focused Agway Manufacturing Inc. in 2001, based in Floradale, Ontario, he was soon asked to build a bucket for a Case 580 backhoe.

"It went to a farmer from north of Elmira," Frey said. "I saw him not too long ago; he's still a customer."

From there, Frey was recruited again by the construction industry, this time by Elverne Martin Excavating to create a bucket for an excavator. By 2004, Agway Manufacturing Inc. was producing attachments for excavators under the name AMI Attachments.

"As our company grew, my passion and focus gravitated towards heavy equipment attachments," Frey said.

"You follow your passion. I found the industry exciting."

By building attachments for Elverne Martin, AMI was able to dig deeper into the needs of the construction industry.

"We learned a lot from him. (His order) would have been the first 20-ton bucket we made. Ever since, he's run all of our attachments," Frey said.

Much like the farmer that received the first bucket for the 580 backhoe, Elverne Martin is still an AMI customer to this day.

"Whenever he orders a new machine, he tells the dealer he wants AMI attachments on the machine," added Bernie Howorth, vice president of sales and marketing for AMI.

Although Agway began with a focus on attachments for agriculture, Frey, a millwright by trade, wasn't a stranger to the construction industry.

His father owns HLA Attachments and Horst Welding, where Frey cut his teeth in the business.



The Graptor bucket, created by AMI Attachments.

"I grew up in the manufacturing industry," he said.

Since building those first attachments for construction, the business has rapidly grown.

The Agway product line was sold, and now the company operates solely as AMI Attachments Inc. AMI has since relocated to Hawkesville, Ontario, and now manufactures more than 100 heavy equipment attachments.

Team building

With continued growth, Frey decided to create an ownership team to manage the company.

"We needed to get to the next level," Frey said.

Darren Bauman, vice president of operations, Dwight Myer, vice president of design and engineering and Ian Martin, inside sales manager, were recruited from their existing roles with AMI to join the ownership team.

From outside of the company, Frey recruited Howorth, who at the time was

working for Nortrax.

"We were buying a lot of attachments from Steve for our John Deere machines. That's where the relationship grew and we got to know each other quite well," Howorth said, noting he was impressed by AMI's product quality and service support. "When we had an issue or concern, I could always call Steve and get looked after."

Now, each member of the ownership team is responsible for their own area of expertise, encompassing each division of the company.

"It's been really positive to bring that group of owners into the company, in each department," Frey said.

With continued growth and the ownership team in place, AMI began expanding outside of Canada to the United States.

AMI hired its first sales rep for the United States about four years ago.

The American team has now grown to five reps, each covering their own territory in the United States.

"Our growth has been significant in the

last three years in the United States. And, of course, we continue to grow in Canada," Howorth said.

"There's a lot of growth potential in the US market for sure," Frey added.

AMI's Graptor bucket became the flagship attachment for the company's expansion into the United States.

"It allows an end user to have a bucket with a thumb integrated into it. They don't need to have a plate or installation on the machine. That's been a real door opener for us in the United States," Howorth said.

The Graptor bucket

The Graptor bucket (patent pending) is powered by a helac actuator that's fitted into the crossbar. It's capable of delivering up to 54,000 foot-pounds or torque at 3,000 psi. As well, its design eliminates the need for hydraulic cylinders.

"It's pretty gratifying when we get hits off our website and end users are saying they want more information on the Graptor bucket."

"When you get people asking for the brand, it shows we're doing something right."

Alongside the United States, AMI has also delivered its attachments as far as Australia, Africa and Peru.

"We started building a bit of a sales strategy for South America, but our primary focus in North America," Frey said.

A manufacturing first

Adding to AMI's name recognition, the manufacturer recently became the world's first company to achieve dual certification from SSAB for Hardox In My Body and My Inner Strenx.

Continued on Page B4



Kinshofer's new hydraulic breaker line features a monobloc design to increase durability.

Kinshofer adds hydraulic breakers to its attachment line

Kinshofer has expanded its roster of excavator attachments with the addition of the KSB-Series hydraulic breaker lineup.

The breaker series announcement follows Kinshofer's acquisition of Hammer, an Italy-based manufacturer of demolition, excavation, recycling and material handling attachments.

The new line features a monobloc design and other standard elements to increase durability and comfort for operators in construction, demolition and recycling.

The KSB-Series encom-

passes eight models for half ton to 12-ton excavators. The smallest unit, the KSB 1, weighs 70 kgs and can complete 900 to 1,100 blows per minute with 207 foot-pounds of energy per blow. The KSB 12 is the largest in the series at 540 kgs with 600 to 800 blows per minute at 1,696 foot-pounds.

"With the addition of the KSB-Series, Kinshofer now has more options to help customers find the attachments that fit the individual needs of their operations," said Francois Martin, Kinshofer North America general manager.

"This line of lightweight breakers gives our customers more versatility with what projects they can take on without sacrificing the quality and safety they've come to expect from Kinshofer."

All models in the KSB-Series are manufactured as a single piece without tie rods — a distinctive monobloc design — that makes them resistant to linkage strain during operation.

The monobloc design reduces maintenance and increases productivity as well. The breakers are also equipped with an optimized nitrogen inertial energy recovery system. Like other nitrogen systems, the KSB system increases power to the machine and reduces stress on the excavator arm in hard rock or difficult breaking situations by using energy generated by piston rebound to increase strike power. Kinshofer's KSB-Series breakers feature 300 per cent longer nitrogen charge life, according to the company, with the use of special sealing rings on the floating support.


In addition, all KSB-Series models are equipped with

operator comfort-enhancing features. All Kinshofer breakers are designed to limit vibration from transmitting to the frame, increasing operator comfort. This design feature also reduces wear on bushings and other excavator components.

The KSB's monobloc design also reduces noise levels during operation thanks to the sealed casing and sound-proofing material. The low noise level reduces disruption and is ideal for operation on jobsites with strict noise ordinances such as those near hospitals and in urban areas.

The breakers are also tapered, improving visibility and safety during use in difficult areas, such as near walls.

"The KSB's monobloc design and additional safety features embody Kinshofer's core values," Martin said.

"We are dedicated to bringing our customers durable equipment to help them complete every job safely and efficiently. We believe in the quality of our products, including the new KSB breakers." 



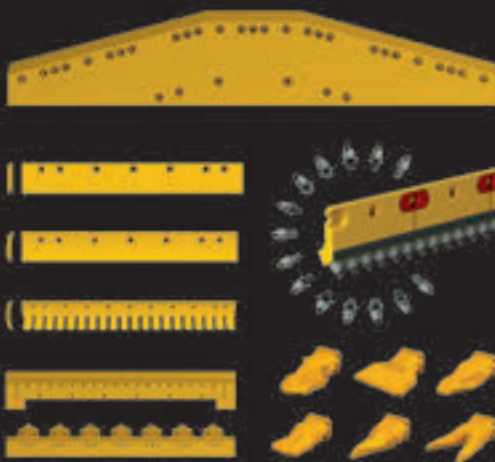
TOOLS OF ENGAGEMENT

There is a code among us. A code that accepts no excuses. A code that defines us. We grind. We dig. We push. Out of strength and perseverance we earn each load. We are not afraid. We will not back down. We are the front line and we are ready for more.

WEAR PARTS

CONSTRUCTION

MINING



VBL ValleyBlades
LIMITED



1-800-461-1824 | sales@valleyblades.com | www.valleyblades.com



My Inner Strenx branding on an AMI coupler awaiting shipment.

AMI facility to nearly double in size

Continued from B3

As a certified member of the Hardox In My Body program, AMI Attachments achieves the distinction of providing customers with attachment products manufactured from genuine wear-resistant steel.

Products made with Hardox steel weigh less, withstand abrasion, perform better and last longer. The My Inner Strenx program identifies the superior steel and quality-controlled production techniques used during the manufacturing process.

"We're the first company in the world to have the dual branding," Frey said. "It was quite difficult. They audit our welders, weld procedures processes and production."

Facility expansion


With its expanding market, AMI is once again expanding its headquarters and manufacturing capabilities.

While AMI started with two employees and about 1,400 square metres of space in Floradale, the company has grown to about 150 employees, and will soon open a 4,200 square metre expansion, bringing its facility to more than 9,300 square metres.

"Sales have grown significantly since we moved in here," Howorth said.

The expansion will afford AMI more capabilities alongside more capacity. With higher ceilings, the factory will be able to house bigger cranes to lift bigger attachments.

However, the company has now filled the footprint of its property.

"We didn't expect to expand this fast when we moved here three years ago," Howorth said. "We figured we'd be here for a while before we did any expansion." 

DEDICATED TO SUCCESSSM

COUNTRY'S • YOURS • INDUSTRY'S



WE ARE DEDICATED TO YOUR SUCCESS IN EVERYTHING WE DO. IT'S WHO WE ARE.

We know that getting the job done safely, correctly, and profitably is a priority. That is why we offer unrivaled service, technology, and knowledge to drive your success. It is why Roadtec provides you with a level of expertise and training not found anywhere else because that is what you need.



**Dedicated
to Success.SM**



ROADTEC an Astec Industries Company

© 2018 ROADTEC, INC. ALL RIGHTS RESERVED

800 MANUFACTURERS RD • CHATTANOOGA, TN 37405 USA

roadtec.com 1.800.272.7100



Brokk boosts safety with TEI Rock Drills

Brokk has paired its 300-series demolition robot with the new MMB326 hydraulic drifter rock drill attachment from TEI Rock Drills to boost productivity and safety in cramped jobsites.

This attachment works seamlessly with the Brokk 300 demolition robot and allows for drilling multiple sizes of holes — up to 7.6 cm — in concrete, rock and compact soil.

The attachment is manufactured with a lightweight, compact TE326 drill head featuring patented technology to improve longevity and productivity.

“The MMB326 and Brokk 300 combination provides convenience and enhanced efficiency for operators,” said Peter Bigwood, vice president of sales and marketing at Brokk Inc.

“We are continuously striving to help our customers maintain productivity and safety, which is why we partnered with TEI Rock Drills to develop an attachment to meet those requirements — even while drilling into hard rock in confined areas.”

At just under 76 cm long, the MMB326 delivers 200 foot-pounds of impact energy at 3,480 blows per minute.

The drill also produces 250 foot-pounds of torque and reaches rotation speeds of up to 250 rpm, which makes it a more accurate and faster alternative to jackleg drilling through brick, concrete and rock. The combination also eliminates fatigue caused by operating the heavy manual tools and promotes safety by allowing operators to stand farther away from the drilling site.

The drill head itself (TE326) is a versatile hydraulic drifter that incorporates TEI's patented Automatic Stroke Adjustment (ASA) technology.

The high-frequency and smooth operation — provided by the ASA technology — prolongs the drifter and tool life, increasing productivity by reducing downtime and parts costs.

Additional features, such as variable rotation speeds up to 250 rpm, help to minimize the risk of jamming, while the reversible rotation motors deliver high torque to ensure powerful drilling.

The MMB326 offers an expanded hole range up to 76 mm in diameter. It uses a 360-degree positioner for drilling in a variety of positions. The attachment can be used with a manual centralizer for rock drilling or with a hydraulic clamp for extension drilling and roof bolting. It's available in 1.8-metre or 2.4-metre mast lengths.

The MMB326 attachment is a ready-to-use option that doesn't need to be modified before configuring to a Brokk machine. The attachment can be integrated directly with the Brokk controls, allowing workers to operate the Brokk and MMB326 simultaneously. This frees up an extra worker who may be required to operate the second set of controls.

The drill attachment is quieter than pneumatic handheld alternatives, allowing construction crews to use the equipment in locations governed by noise-control ordinances, such as near apartment buildings, high-rise towers and other residential areas.

Upon purchase, a certified TEI technician will set up the attachment on the Brokk machine. If required, operational training can be provided.

The MMB326 drill attachment complements other Brokk attachments, and was designed to be used in conjunction with the Darda C20 Splitter for rock breaking applications.

TRAMAC 
www.tramac.com



SERVING THE CONSTRUCTION, DEMOLITION & MINING INDUSTRIES FOR OVER 50 YEARS

FEATURING A COMPLETE CUSTOMIZED LINE OF REMOTE CONTROLLED ROCK BREAKER PEDESTAL BOOM SYSTEMS FOR MINING AND QUARRY USE

Complete choice of all sizes and functions to handle all requirements in extreme applications. Such as far north operations, remote high mountain mines, and extreme cold and hot situations. Worldwide locations served such as North, Central, South Americas, Asia, Africa, Australia, Europe etc. Featuring customized remote operator control systems, extreme temperature capabilities, 24/7 HD mine duty builds



FOR DEMOLITION,
EXCAVATION, MINING,
CONSTRUCTION & QUARRIES.

TRAMAC HAS
AN ATTACHMENT
FOR THAT.

CANADA

Shaun Brown

Cell: (613) 532-4823

Office: (613) 542-1500

shaun_brown@tramac.com

Ontario office:

(613) 542-1500

28 Steve Fonyo Dr., Kingston, ON
K7M 8N9

Montreal Office:

(888) 663-8122

3421 Industriel Boulevard, Laval,
Que. H7L 4S3

Quebec City Office:

(418) 877-5557

1711 rte de L'aéroport #4,
L'ancienne Lorette, Que. G2G 2P4

**YOUR HYDRAULIC
ATTACHMENT
EXPERTS**



**NORTH TORONTO
AUCTION**

NORTHTORONTOAUCTION.COM

**MONTHLY INDUSTRIAL AUCTIONS
VEHICLE AUCTIONS EVERY 2 WEEKS
CITY OF TORONTO-PROVINCE OF ONTARIO-HYDRO ONE**

PUBLIC

SAT

Jul 13

INDUSTRIAL

SAT & SUN

Jul 26 & 27

PUBLIC

SAT

Aug 10

INDUSTRIAL

SAT & SUN

Aug 23 & 24

**VISIT OUR WEBSITE FOR FULL DETAILS
AND A LIST OF ALL AUCTIONS.**

705-436-4111

John Deere adds backhoes to its attachment lineup

John Deere has unveiled three new backhoes to complement its lineup of attachments.

The BH9B, BH10B and BH11B are designed for operators handling light construction, agricultural, landscaping or utility work.

Similar to other John Deere attachments, these backhoes are ideal for use on John Deere G-Series skid steers and compact track loaders.

“With the growing need for work in compact spaces, these new backhoe attachments provide contractors, landscapers and agricultural material handlers with the power and variety to tackle any job efficiently and swiftly,” said Jason Simmons, attachments engineering supervisor for John Deere Construction and Forestry.

“The new lineup of backhoe attachments is designed to provide power with improved hydraulics and sleek design to operators working across different job sites and applications.”

The new backhoe attachments are ideal

for those working in tight spaces by offering swing speed control and 180-degree capabilities to help improve machine stability. Workspace visibility is optimized with the attachments’ sleek, low-profile design.

Furthermore, Cushioned cylinders allow for smooth operations and limit shock loads during use.

A two-lever control of boom or swing (left lever) and dipperstick or bucket (right lever) allow for precise control and movement. Each new backhoe model includes a 34 to 45 litres-per-minute hydraulic flow range for smooth operation.

The new backhoes provide different levels of maximum dig depths ranging of 2,945 mm on the BH9B, 2,945 mm on the BH10B and 3,380 mm on the BH11B.

The BH model bucket widths range from 455 mm to 915 mm. As well, the new and improved heavy-duty buckets feature an easy-cleanout design for tough jobs.

BH10B and BH11B buckets offer three



linkage positions to maximize curl, reach or breakout force.

Breakout force on the BH9B is 1,765 kg, 2,575 kg on the BH10B and 2,575 kg on the BH11B, for the toughest of jobs.

For increased versatility, the backhoe standard-tilt seating capabilities offer easy moving between machine ingress and egress.

The backhoe also has a grab handle and open design for convenient manoeuvring.

Engcon makes EC-Oil connector standard on quick couplers, tiltrotators and hydraulic tools

Engcon is now offering the EC-Oil Automatic Quick Coupler System as standard equipment between its tiltrotators and hydraulic tools.

When ordering the Q-Safe quick coupler and tiltrotator with the DC2 control system, EC-Oil couplings will now be automatically included on the machine hitch and on the upper part of the tiltrotator. If a hydraulic tool is ordered in at the same time, EC-Oil is also included as standard in the tiltrotator’s quick coupler.

“It’s the natural step for everyone who wants to make their excavators even more efficient,” said Stig Engström, Engcon’s founder and owner.

The decision means that excavator operators no longer need to climb out of the cab and struggle with oil connections when they connect or disconnect the tiltrotator or hydraulic tools beneath it.

“At the launch in 2018, I said that this was one small step for Engcon, but a giant

leap for the excavator industry. The decision was a great success. Today, I have to say that we’ve closed the circle. After all, the idea behind the EC-Oil standard has been around since the first sketches of our new generation tiltrotators,” Engström said.

An automatic quick coupler from Engcon lets an operator quickly connect hydraulics, electrical power and central lubrication between the excavator and

tiltrotator without having to leave the cab. Engcon’s customers are now also offered automatic hydraulic connection between Engcon’s tiltrotators and hydraulic tools.

If the customer needs additional hydraulic functions or much higher hydraulic flow, Engcon’s quick couplers are ready for the addition of an extra EC-Oil block.

The announcement affects the QS60 size. Other sizes will be introduced in the coming months.

Rototilt increases its pace of development

Rototilt is releasing four updated tiltrotator models — the R4, R5, R6 and R8.

They are equipped with new innovative technology to extend service life, improve operation and a new rotation sensor for more precise positioning.

“We’re constantly working on improvements and we’re not waiting to release a new tiltrotator model before making these new improvements available,” said Rototilt product manager Sven-Roger Ekström.

The unique technical solutions that Rototilt introduced with its R-series have received a warm reception with thousands of tiltrotators sold worldwide.

However, work with development continues and is even being intensified, with a number of new refinements now being introduced for the series.

New worm gear

The new versions of the R5, R6 and R8 have a new rotation gear wheel with improved geometry and tighter manufacturing tolerances, providing a smoother operation with less friction.

The new rotation gear is also equipped with a new worm, with built-in lubrication channels that improve and further in-

crease the service life of the tiltrotators. The models are also equipped with a new high-pressure seal.

Updated control system

The new tiltrotator models also come with a new rotor housing sensor that provides improved positioning through the existing RPS function.

The sensor in the hydraulic motor has been replaced by a rotation sensor located in the rotor housing. The new sensor can read an absolute position with greater precision.

In addition, it comes with new software for the Innovative Control System (ICS), which has a number of smart features.

With the supplied in-cab display, operators can easily adjust settings and have a complete overview of the tiltrotator system.

Continuing with the new models, the patent-pending safety lock SecureLock is available as an option, with constant monitoring to ensure tools and attachments are always securely coupled. All this, along with an extensive range of tools, demonstrates commitment to improving work capabilities for machine operators by transforming excavators into fully-fledged tool car-

riers that increase both efficiency and safety.

Production for the updated models began at the end of April, and all four models are now available for order in Rototilt’s markets around the world.



DIV. OF RING
RADIATOR
PRODUCTS
(1989)
LIMITED

Same Day Nationwide Shipping Service
No Surcharge
PUSH-PULL, BRAKE,
CLUTCH, PTO, VALVE and
ACCELERATOR CABLES

**Ontario
Control Cables**
8 CARSON CRT., BRAMPTON, ON L6T 4P8
(905) 458-9576
Fax: (905) 458-6461
E-Mail: occ@mclgroup.ca

Same Day
Service
And Shipping
If Ordered By
12 Noon!

We Accept:





Current stock for wheel loaders
Parts available for all Deere models & generations!

| Refurbished: | Used: | Aftermarket: |
|---|---|--------------------------------------|
| Axles, park brake assemblies, control valves, & more... | Rims, sheet metal, loader booms & more... | Steps, cab glass, mirrors, & more... |



E-mail: usedparts@brandt.ca
Inventory: brandt.ca/ValueParts

1-877-685-4886



Unreserved public
equipment auctions

Equipment financing by equipment experts.



659+
DUMP TRUCKS

Peterbilt 378 & Trojan 25 Ft | Regina



560+
WHEEL LOADERS

2 – 2016 Caterpillar 980M | Montreal



355+
CRAWLER TRACTORS

Caterpillar D9T | Montreal



350+
LOADER BACKHOES

2011 Case 580N 4x4 | Toronto



Caterpillar D5K XL | Toronto



865+
HYDRAULIC EXCAVATORS

Komatsu PC400LC-8 | Saskatoon



2015 Caterpillar 349FL | Montreal



2011 Hitachi ZX200LC-3 | Toronto

63,640+ items in 90+ auctions including

Toronto, ON
Montreal, QC
Regina, SK
Saskatoon, SK
Chilliwack, BC
Brandon, MB
Grande Prairie, AB

July 9–10
July 12
July 12
July 23
July 24
July 25
July 29

Bid in person or online
▶ No minimum bids or reserve prices
▶ Test and inspect on-site
▶ Open to the public, free registration
▶ Free registration

Financing & leasing available
Up to 100% financing, with no money down.
More items added daily
Call about selling: 1.800.211.3983



Like us for news, video & photos
facebook.com/RitchieBros

See full auction & equipment listings at rbauktion.com

EQUIPMENT FEATURE

ENGINES/COMPONENTS

Power 3.0

Perkins is looking at a variety of hybrid engine solutions to ensure power matches the task

In the off-highway segment, one hybrid engine design likely won't be the ideal fit for all heavy equipment.

That's why Perkins is introducing Power 3.0, a range of hybrid power solutions for original equipment manufacturers (OEMs).

Perkins has created a dedicated team and new technologies focused on hybrid and electric power solutions that are relevant and adapted to meet the specific needs of construction machines.

Following a significant investment in hybrid engines and electrification research, Perkins unveiled a range of technologies designed to add value to OEMs as they design the next generation of off-highway machines.

"There's a lot of interest in the market around what happens next," said Oliver Lythgoe, product concept marketing at Perkins.

A new engine era

Perkins categorizes engines in three sections.

The 1.0 segment representing the classic diesel engines that were produced between 1930 and 2000. The 2.0 segment represents the emissions era where all research and development resources were tasked with making engines cleaner.

"In that (2.0) period, particulate matter and NOx were reduced by 95 per cent," Lythgoe said.

"It's a massive change in what comes out of the exhaust of an engine."

Now, Perkins is focusing on the third incarnation of diesel engines. Power 3.0 will see research and development focus on how to create an engine that is focused on sustainability, as well as capable of delivering more productivity while consuming less fuel.

"Power 3.0 is the next stage," Lythgoe said. "The hybrids and electrics will be part of that story."

The hybrid-electric, hybrid-mechanical and hybrid-hydraulic power technologies complement Perkins' existing 0.5 to 18 litre range of diesel engines, ensuring OEMs and their customers benefit from machines that are more productive, quieter and have lower fuel consumption, whatever power solution they select.

"Through our close technical collabor-

ation with our OEMs, and using a huge amount of real field data, we develop solutions that are truly relevant to the construction sector," said Matt Coleman, product director at Perkins.

Hybrid feasibility

The notion of using the same hybrid tech that is found on-road on passenger vehicles for construction equipment isn't feasible.

"The operating cycles are so different in construction than what's on highway," Lythgoe said. "There's no traffic lights. If you have a dozer travelling at 4km/h you're not going to get much (energy regeneration) by braking."

With access to millions of hours of machine operating data, Perkins has identified the operating cycles of real construction machines vary from one application to another, and as machine size increases.

The duty cycles, operating conditions and packaging constraints for off-highway machines drive the need for specific configurations that are highly customized to the individual application.

"There isn't one solution that fits all machines," Coleman said.

"Perkins is establishing itself as an integrator with multiple hybrid and electric power technologies.

"The difference between off-highway machines in operating conditions means that there is limited, if any, value in technology transfers from other sectors such as automotive, truck or marine."

At bauma 2019, Perkins highlighted three hybrid power solutions through three engines, all at 75 kW (100 hp). To demonstrate modularity and flexibility, all three hybrid solutions are based on the Perkins Syncro 2.8 litre. The three hybrid engine technologies introduced are:

Hybrid-electric

There are several ways to incorporate the electric motor or generator, with Perkins preferred arrangement delivering fuel saving benefits while moderating the installation impact and minimizing the cost impact on the machine. The flexibility of the system provides opportunities for further efficiency and functionality improvements in the whole machine through use of 48-volt electrics.



Clockwise from top: Perkins' hybrid-hydraulic, hybrid-electric and hybrid-mechanical engines.

"This takes energy and stores it in lithium ion batteries. You can store a lot of energy, but you can only release it quite slowly," Lythgoe said.

"It also takes a lot of space, and honestly its quite expensive."

Hybrid-mechanical

This stores energy in a high-speed fly-wheel, which can be delivered back to the machine.

This is particularly useful in hybridizing machines that run a cyclic operation and need very intense bursts of additional power.

Apart from the very quick energy release, the advantage over hybrid-electric is in installation size.

"Your storage is next to nothing. It's much easier to fit into a machine and you can really see a sharp punch of energy," Lythgoe said.

"It fades out over time, but it would work well in a machine that's doing something cyclical, like loading a truck. Lots of off

highway machines do cyclical things."

Hybrid-hydraulic

This stores energy in hydraulic accumulators. In some machines, this can be the most practical and cost-effective hybrid solution as it easily integrates into existing machine hydraulic systems. Software and integration of machine systems are key to achieving great savings from this technology.

"You store energy as pressurized hydraulic fluid, and you can release that as its needed," Lythgoe said.

"It's good for machines that have a lot of hydraulics, like excavators or wheel loaders."

The hybrid options are just three of eight different engine technologies Perkins is developing.

"We see spaces for all of those eight," Lythgoe said, noting other tech is in different stages of development.

"What we're saying to our customers, the OEMs, is this is a complicated space. Don't just have the first hybrid that comes into your head." ■

REMANUFACTURED TORQUE CONVERTERS

ALL CANADIAN SINCE 1963

**SAVE THOUSANDS
OVER NEW**

**SUPER FAST 24 HR
TURNAROUND TIME**

- Backhoes
- Dozers
- Loaders

- Articulated Trucks
- Forklifts



ALL MAKES
John Deere • CAT • Clark



**ConverterMan
LIMITED**

peter@converterman.com
246 Brockport Dr #21 Toronto, ON M9W 6W2

416-674-7000 | 800-265-8923

LOOKING BACK

ENGINES



Pictured here in 2012 is a Detroit Diesel Quad (four 6-71 engines) back-up power unit at the Oshawa Water Plant.

This Lake Ontario fresh water intake pumping station had several power units from the 1960s serving as back-up in case of a hydro outage. Upgrades to the station included a large single generator making a majority of the existing units redundant.

HCEA Canada was fortunate to be able to add several of the units, including this Quad 6-71, to its old equipment roster. A coordinated effort by the on-site contractor, Durham Region employees and HCEA Canada volunteers, saw the units relocated to the Simcoe County Museum where its combined fleet calls home.

As early as 1939, General Motors had developed the 71 Series of 2-stroke diesel engines to assist in the Second World War effort. Many military landing craft and tugboats were fitted with quads.

The 6-71 engine also powered highway trucks, buses and construction equipment, with many still in action. The four 6-71 engines pictured here, rated at a total of 522 kW (700 hp), were connect-

ed to a single gear box that powered a 3.5 metre diameter DeLaval centrifugal lake water intake pump. Ear protection required!

To see more than 60 restored pieces of vintage construction equipment in action, be sure to attend Historical Construction Equipment Association (HCEA) Canada's 2019 Last Blast Event on Saturday, Oct. 19, held at the Simcoe County Museum near Barrie, Ontario.

HCEA Canada is a Proud Community Heritage Partner of the Simcoe County Museum. 



**CANADIAN
CONCRETE
EXPO**

JANUARY 22 & 23, 2020 • TORONTO

THE INTERNATIONAL CENTRE

**The Only National Trade Show in Canada
Dedicated to the Concrete Construction
Industry is Back and Growing.**

Get Ready For CCE2020!

400+
Exhibiting Companies

50+ Sessions, Demos,
Presentations & Events

300,000+
Sq.ft. of Show
Space



Title Sponsors



Platinum Sponsors





Silver Sponsors





Produced and managed by:
20/20 SHOW PRODUCTIONS INC.

Phone: (226) 363-0550

Connect with us:
Canadian Concrete Expo



For more information visit:
CanadianConcreteExpo.com



The power behind Project TETRA

At bauma 2019, Project TETRA (the methane-powered wheel loader concept from Case) certainly turned a few heads. Under the hood is a natural gas engine developed by FPT Industrial.

The new wheel loader concept, dubbed Project TETRA, is the first natural gas machine from Case Construction Equipment and is powered by a 6-cylinder NG engine from FPT Industrial's NEF family.

With the Project TETRA announcement, FPT Industrial reinforced its commitment to develop sustainable solutions specifically adapted to off-road applications.

The power unit delivers up to 230 hp and torque up to 1,184 Nm, and has diesel-like performance, but with a smoother and quieter drive, according to FPT Industrial. It also offers the same reliability and durability, as well as fuel savings up to 30 per cent. The engine runs on Compressed Natural Gas (CNG), ensuring 15 per cent less carbon dioxide and 99 per cent less particulate matter than its diesel-based counterpart.

The NEF engine uses stoichiometric technology, which ensures the correct chemical balance between air and methane in every working condition, delivering clean combustion and low emissions. The technology is enabled by FPT Industrial's proprietary control strategy, specific piston design and multi-point injection.

Optimized combustion improves engine efficiency, leading to running cost savings of 10 per cent to 30 per cent compared to diesel.

The highly stable

spark-ignited combustion system also reduces vibration and engine noise up to 5 dB in comparison with conventional diesel engines, representing a 50 per cent reduction in drive-by noise.

Project TETRA is designed to benefit waste management companies and construction contractors, both of which a competitive carbon footprint is becoming increasingly important in winning and retaining contracts.

Thanks to the FPT Industrial Natural Gas engine, the Case wheel loader concept can operate in regulated urban or indoor environments without the need for expensive ventilation equipment.

FPT Industrial is at the forefront of the development of Natural Gas engines for the on-road market, with more than 20 years of experience and with more than 40,000 units installed in vans, buses and trucks.

The company's expertise allowed it to take natural gas to a higher level, delivering the same performance as diesel, while providing a sustainable solution, with emissions well below regulations for on-road and off-road applications.

FPT Industrial offers the most complete natural gas engine line-up on the market for industrial applications, with power ranges from 136 hp to 460 hp. Its engines are capable of running on Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG) and Biomethane, the latter is able to reduce carbon dioxide emission levels close to zero. Besides powering light vehicles, long haul trucks and intercity buses, FPT Industrial introduced natural gas to the agriculture

segment in 2013 with the New Holland Agriculture methane tractor prototype. **EJ**



D/S
MANUFACTURING

EXCAVATOR & LOADER
ATTACHMENTS

EQUIPMENT. SKILL. EXPERTISE.

We always deliver a first class product on-time,
every time for over 35 years.







Call us today for all your
Custom Attachment needs!







MANUFACTURE. REPAIR. SERVICE.

We have all your EARTHMOVING ATTACHMENTS

SNOWPLOW BLADES to LARGE GRAPPLES!

D/S Manufacturing
5087 Carman Road,
Iroquois, ON. K0E 1K0
Phone: (613) 652-4025
Fax: (613) 652-1575
dsmanufacturing.ca





Your Authorized Kubota Distributor

Your Kubota authorized distributor is as reliable as your equipment powered by a Kubota engine. Many of our distributors have been part of our network for more than 20 years, offering genuine Kubota engines, generators, parts, service and warranty support.



KUBOTA AUTHORIZED DISTRIBUTORS

Frontier Power Products
Engines, Generators
Delta, BC | 877-946-5531

East Coast Power Systems
Engines, Generators
Fredericton, NB | 506-444-0344

M-K Power Products
Engines, Generators
Mississauga, ON | 800-263-5011

Génératrice Drummond
Generators
Drummondville, QC
800-567-3835

Wajax
Engines
Quebec City, QC
888-717-7131



LUND
Appraisals Inc.

416-801-6014
www.LundAppraisals.ca
kenlundappraiser@gmail.com
CPPAG Accredited - USPAP Compliant 2018/19

For locations and contact information, please visit: KubotaEngine.com/Network

Epiroc embarks on 3D printing parts project

Epiroc is introducing a project focusing on the use of 3D printing capabilities for the manufacturing of spare parts on site and on demand.

According to Anders Johansson, product manager at Epiroc, working with 3D printing technologies opens up unlimited possibilities for the company.

Innovation is a value for Epiroc, and the company continuously searches for new solutions.

One promising technology that is gaining momentum is additive manufacturing or a phased build-up of an object using 3D printing and modelling, a method that hasn't been widely developed for the mining and construction industry.

The technology of fast details production involves the manufacturing of physical samples based on CAD-data or 3D-scanning data. This includes the use of special equipment for layer-by-layer 3D-synthesis and practically no need of further refinement.

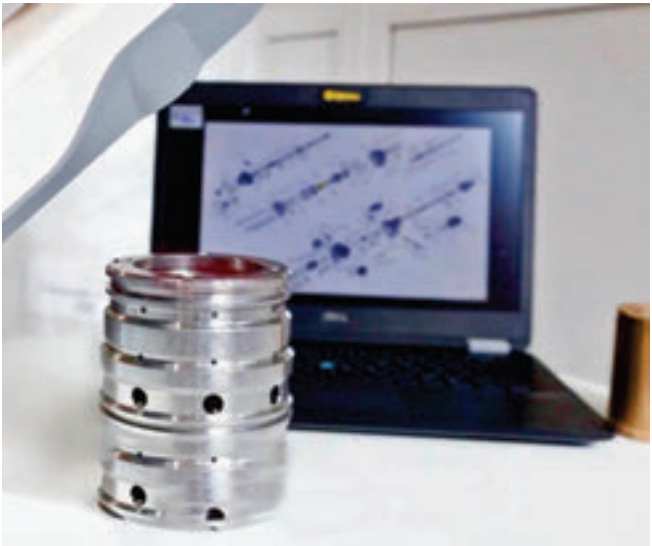
Earlier in 2019, Epiroc started to explore the opportu-

ity to implement additive technologies in the process of manufacturing spare parts, ensuring high standards of quality and accuracy.

"Working with 3D technologies opens up unlimited opportunities for the company to create complex geometric shapes and maintain high quality standards," Johansson said. "This technology does not only provide additional opportunities for the creation of complex parts. It also allows companies to transfer digital models around the world in minutes to manufacture spare parts right on the spot where they are needed."

Reduced wait times

For those who use Epiroc equipment, wait times for spare parts supply will be noticeably reduced, and consequently, equipment downtime will also decrease. In addition, the possibility of 3D printing significantly optimizes the process of delivery and storage of Epiroc spare parts, which will lead to increased value for the customers.



"Thanks to the opportunities this will give, we will be able to serve our customers in new ways, and at the same time, reduce environmental impacts throughout the world, which is high on our agenda as a modern global company," Johansson said. 



✓PARTS ✓SALES ✓SERVICE ✓RENTALS

CHAMPION **VOLVO**

JADE EQUIPMENT IS PLEASED TO ANNOUNCE
WE ARE THE NEWEST JCB DEALER FOR MUSKOKA AND SIMCOE COUNTY.



JADE EQUIPMENT
YOUR SOURCE FOR CONSTRUCTION & MUNICIPAL EQUIPMENT

(L to R): Jade Equipment: Steve and Bonnie McCoy, Ric Ross, Eric Bouchard, JCB: Greg Miller, Cassie Parker, Glenn Patten, Harry Gallagher.



OVER 300 PRODUCTS
RANGING FROM 1100 LBS. TO 24 TONS!

 **10807 - 209 Street, Edmonton, AB T5S 1Z7**
Toll Free: 1-800-663-0715 • Tel: 780-452-7021 • Fax: 780-453-1477

47 Forest Plain Road, Oro-Medonte, ON L3V 0R4
Toll Free: 1-866-404-5233 • Tel: 705-325-2777 • Fax: 705-325-9777

 www.jadeequipment.com info@jadeequipment.com  

Isuzu and Cummins announce powertrain partnership

Cummins Inc. and Isuzu Motors Limited have announced another step in their alliance by entering into the Isuzu Cummins Powertrain Partnership agreement.

The agreement formalizes a business structure for the two companies to evaluate and carry out opportunities to jointly develop and bring new diesel and diesel-based powertrains to global markets.

Through the Powertrain Partnership, Isuzu and Cummins share the commitment to leverage both companies' technical strengths to develop market-leading architectures for customers around the world.

Cummins and Isuzu committed to form an alliance board and to assign a team of dedicated individuals from each company to continue exploration of potential opportunities in product technology development, procurement and manufacturing.

"As Cummins celebrates 100 years of innovation, we continue to look for opportunities to build global relationships with companies that share our values and our focus on innovation," said Tom Linebarger, chairman and CEO of Cummins Inc.

"This partnership is a terrific opportunity for both companies to leverage our respective strengths and create new opportunities to grow and broaden the product portfolio we bring to customers."

By working together, the companies believe there may be opportunities to benefit from each other's unique strengths to drive global growth.

Both companies continue to innovate and advance the diesel engine in terms of power, quality, emissions and fuel efficiency and expect diesel to remain a primary power solution in many markets.

"Isuzu and Cummins recognize how advanced the diesel engine is, and will continue to be, an important power choice for global customers in commercial vehicle and industrial applications," said Masanori Katayama, president and representative director for Isuzu Motors Limited.

"This is especially true in developed countries where power sources are used for high-intensity operations, as well as in emerging countries where social infrastructure conditions are severe."

In October of 2018, Cummins and Isuzu signed a letter of intent to evaluate possible partnership opportunities. 



AUTHORIZED DISTRIBUTOR

CONSTRUCTION EQUIPMENT RENTAL

DOZERS - LOADERS - BACKHOES - ROLLERS

CUSTOMER SERVICE

TARTEN EQUIPMENT LIMITED

6199 Shawson Drive Mississauga, ON L5T 1E5
Phone: 905 670 1704 Fax: 905 670 4790
Toll Free: 1 888 670 1704 WWW.TARTEN.COM

COMMITTED TO SERVICE EXCELLENCE SINCE 1976

Perkins Genuine parts for lower **life cycle** costs



With global presence and a full range of aftercare services and support, we can match your needs precisely. From individual parts and kits to remanufactured components and new replacement engines, we provide genuine high quality choice and real flexibility.

Wherever you are in the world, Perkins unmatched product knowledge, genuine parts and service expertise are there to keep you running. Faultlessly.

Find your local distributor at
www.perkins.com/distributor

Perkins Aftermarket,
engineered for life

 **Perkins®**

THE HEART OF EVERY GREAT MACHINE

ON THE

MOVE

NEW HIRES & APPOINTMENTS IN THE HEAVY EQUIPMENT INDUSTRY



Danny Fortier joins Nortrax Canada as general manager in Sudbury

Nortrax Canada has announced that Danny Fortier has joined the company to further develop their support and service for customers as general manager of the Sudbury, Ontario branch.

Fortier brings a wealth of experience with in the heavy equipment industry. He most recently worked as a regional sales manager at Ritchie Bros. Auctioneers. Fortier also previously held a branch manager role in the greater Sudbury area for another heavy equipment dealership.

“Danny’s enthusiasm, passion and experience will serve him well in this new role,” said Michael Rugeroni, Nortrax Canada vice president. “His leadership, industry knowledge, and enthusiasm, along with his engineering background and winning attitude, will position him well to lead our Sudbury team.”

Originally from Northern Ontario, Fortier and his family will remain in the Sudbury area. He is excited to start this new position with Nortrax and looks forward to working in Sudbury to build their extensive product sales, rentals, technology and customer support of John Deere equipment.

Ravi Saligram, Ritchie Bros.’ chief executive officer and board member, to step down

Ravi Saligram, chief executive officer and board member of Ritchie Bros. has informed the auction company’s board of directors that he will step down from his positions effective Oct 1.

The board will now conduct a “thorough, thoughtful” search for Saligram’s successor and has engaged a leading executive search firm to assist in the process.

The recruitment process will consider both external and internal candidates.

“Over the past five years, Ravi has led the transformation of the company, building on its strength as a live auction company to become a world leader in providing solutions to customers for their equipment needs,” said Bev Briscoe, chair of the Ritchie Bros. board.

“With the acquisition of IronPlanet and its successful integration, Ravi leaves us with a robust platform and strategy firmly in place for continued profitable growth. Importantly, Ravi has assembled and developed a talented and diverse team that is deeply committed to the company, its customers and its values of integrity, teamwork and stakeholder value.

“A search is underway for a leader with a proven track record of execution to accelerate sustainable, profitable growth and take the company to new levels of success. The board thanks Ravi for his exceptional leadership over these past five years and his commitment to working with the board toward a smooth transition.”

Saligram was appointed CEO of Ritchie Bros. in July 2014 and has transformed the company by evolving the world’s largest onsite heavy equipment auctioneer into a relationship-based, technology-enabled and data-driven multi-channel asset management and disposition platform.

Saligram plans to return to his family in the United States.

“Leading Ritchie Bros. has been both my passion and my honour. We have shifted the paradigm from being the world’s largest live auction company to a multi-channel, technology enabled equipment asset management and disposition platform,” Saligram said.

“We have built a strong foundation for the future with our live auction and online prowess, digital expertise and data analytics capabilities. We have formed the best management team in our industry, with a diversity of both people and thought to create exponential innovation, and teams that never lose sight of the customer as our anchor.”

He added his decision to leave the auction company has been difficult, and is motivated by personal and family considerations.

“But with the company on track to deliver strong earnings growth in 2019, the IronPlanet acquisition beginning to yield tangible value and a world-class platform with accelerating network effects in place, this is the right time for me to rejoin my family in the US, take on new career challenges and hand the baton to a new CEO to build on all we have accomplished as a team,” he said.

“I am extremely enthusiastic about Ritchie Bros.’ prospects, and truly believe our best days are ahead of us.”

WE ARE AN EXCLUSIVE DEALER FOR LABOUNTY & STANLEY

For Ontario

PINERIDGE

Lisco Edwards

Heavy Equipment Sales & Repairs



1-866-488-0878



RENTALS/SALES Specializing in DEMOLITION Equipment

LATE MODELS FOR DEMO/CONSTRUCTION
FOR RENT OR PURCHASE



EQUIPMENT

- CAT 308D, 2010, 2650 HRS
- CAT 308E, 2012, 4530 HRS, ON RUBBER
- CAT 320C, 2004, 10,500 HRS, NEW ENG
- CAT 320D, 2011, 4010 HRS, PLUMBED
- CAT 330D, 2006, 17800 HRS, PLUMBED
- CAT 330D, 2007, 10,000 HRS, PLUMBED
- CAT 330D, 2007, 10820 HRS, PLUMBED
- CAT 336D, 2010, 7400 HRS,
- CAT 336E, 2013, 6750 HRS, PLUMBED
- CAT 336E, 2014, 5400 HRS, PLUMBED
- CAT D6R, 2005, 11,400 HRS, 6 WAY

ATTACHMENTS

- ATT, NEW- MSD4000R, 3000R, 3- 2500R, 2250R, 2000R,1500R, 7R, SHEARS
- UPX250 PROCESSOR, 2-MHD400, 250 GRAPPLES
- LMB2620, 4035,5545,8055 BREAKERS
- USED MSD2500R'S & STANLEY BREAKERS 8000 LBS



Don Edwards - Owner/Operator

don@pineridgeliscoedwards.com

Kevin Campbell - Product Support

kcampbell@pineridgeliscoedwards.com

www.pineridgeliscoedwards.ca

SUBSCRIBE TO

EQUIPMENT JOURNAL

NATIONAL HEAVY EQUIPMENT NEWS. DELIVERED. SINCE 1966

Name:

Company:

Type of Business:

Address:

City:

Province:

Postal Code:

Telephone:

Fax:

Email Address*:

*By entering my email address, I hereby agree to receive email correspondence from Equipment Journal (Pace Publishing Limited). I understand I can withdraw my consent at any time.

Please rush our subscription today! We enclose payment for:

☐ 1 Year \$44.00 (Includes applicable taxes)

☐ 2 Years \$72.00 (Includes applicable taxes)

☐ U.S. 1 Year \$80.00 U.S.

CHEQUE ENCLOSED



*H.S.T. #104003 7957 RT Foreign Rates Upon Request

Account #: _____ Expiry Date: _____

Today's Date: _____ Signature: _____

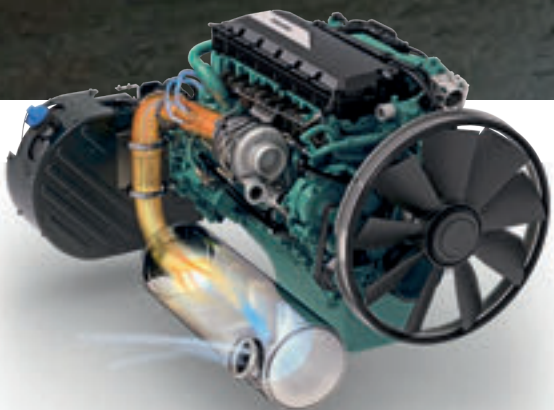
Mail order to: 5160 Explorer Drive, #6, Mississauga, ON L4W 4T7

Or FAX to 1-800-210-5799 or email office@equipmentjournal.com

EJSUB2019



ENHANCED PRODUCTIVITY, EXCEPTIONAL SUPPORT.



Volvo Penta Tier 4 Final engines boost productivity for your business. By keeping it simple, without DOC or DPF, you won't lose valuable working time due to regeneration. Plus you can rely on our worldwide support network, backed by quick access to off-the-shelf parts.

Learn more at www.volvopenta.us/offroad

Made to move you

**VOLVO
PENTA**



QUALITY IS OUR BUSINESS

SALES • RENTALS • CONSIGNMENTS

MACHINES FOR RENT



FOR RENT

2018 HITACHI ZX-135 28" PADS, 9'11" STICK, AUX HYD, HYD COUPLER, BLADE, 752 HOURS.



FOR RENT

2013 KOMATSU PC210LC-10 2,945 HOURS, 50' YOUNG LONG REACH, A/C, REBUILT BUCKET.



\$157,000

2013 HITACHI ZX290LC-5
4575 HOURS, LONG STICK, COUPLER, AUX. HYD.



\$120,000

2007 CAT M316D 3,437 HOURS, Q/C, 3 BUCKETS, AUX. HYD., GOOD CONDITION.



\$142,000

2015 CAT 926M 3,728 HOURS, FUSION COUPLER, 3RD VALVE, RVC, R/C, 20.5R25 TIRES.



\$319,000

2015 CAT 730C 3,105 HOURS, 23.5R25 TIRES, TAILGATE, HEATED BODY.



\$147,000

2014 CAT D3K2 LGP 1,440 HRS, 6 WAY BLADE W/ POWER PITCH, CARCO WINCH, SWEEPS,, HD SALT.



\$339,500

2013 CAT 349EL 4,700 HOURS, VARIABLE GAUGE, 12'10" STICK, HP TOOL CONTROL, Q/C, AUTOLUBE.



CALL

KOMATSU HM300-5(17) 2500 HRS, 23.5R25 MICHELIN, HEATED BODY, TAILGATE.



\$162,500

2013 LINK-BELT 250X3 60' LONG REACH, 3,766 HOURS.



\$122,000

(2) 2015 BOMAGS BW213DH-41 595 & 675 HOURS, 84" SMOOTH DRUM, A/C CAB.



\$179,000

NEW CAT CS66B EROPS, A/C.



\$499,000

2012 CAT 16M 9,480 HOURS, 23.5R25 GOODYEAR (80%), ARO, AUTO LUBE, OWNED BY HUB SINCE NEW.



CALL

NEW CAT D6T LGP RIPPER, VPAT, GRADE CONTROL.

SALES

EVAN TZARAS
ETZARAS@HUBEQUIPMENT.COM
(416) 720-6280

ALEXANDER STEVENSON
ASTEVENSON@HUBEQUIPMENT.COM
(647) 965-4943

RENTALS

DARYL MACLENNAN
RENTALS@HUBEQUIPMENT.COM
(416) 930-6757



@hubequipment

416-236-5425

60 N. QUEEN ST.,
TORONTO, ON, M8Z ZC4

HUBEQUIPMENT.COM