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Cat introduces 966 GC wheel loader





**Epiroc launches** Boomer S10 drill rig





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**A25** 

# EQUIPMENT JOURNAL

**NATIONAL HEAVY EQUIPMENT NEWS, DELIVERED, SINCE 1966** 



June 20, 2022

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# Hitachi brings some A28 power to North America

Kicking off its effort to seize a bigger share of the market, Hitachi makes its powerful ZX210LC-6 HP available in the west.



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FEATURED **EQUIPMENT** 

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#### **ADVERTISER INDEX** JUNE 20/2022 ASV Dealers.......A10 Bobcat Dealers ...... B2 Brandt Used Equipment ...... B11 ConExpo ...... B8 Converterman.....B7 Creighton Rock Drill Limited.......A1,A20 CWB National A22 Eastern Farm Machinery ...... A25 Gear Equipment ...... A28 Hitachi ...... B15 Hyundai Dealers ...... A23 Jade Equipment......B10 JT Equipment ...... A4 Marcel Equipment Limited ...... A1,A6 McDowell B Equipment Ltd......A1,A13 McGill Equipment......B13 OBW Equipment......A1 Strongco Corporation ...... A14 Sutton Stromart ...... B12 Tarten Equipment Limited ...... A17,B13 The Gear Centre......B10 Toromont CAT ...... B1 Tramac ...... B4 Tri-City Equipment ...... B6 Wurth ...... A16 **AUCTIONS** McDougall Auction ...... B5

#### **LETTER FROM THE EDITOR**

### Pining to turn the page on the maddening paper shortage

Amongst the many supply chain issues that have been going on over the last couple of years lies a paper shortage that has been significantly impacting the proceedings of many local and niche newspapers.

In researching the issue, I have found that the cause seems to be quite multifacet-

Obviously, one major factor, as with many of the supply chain issues, has been the global COVID-19 pandemic.

Early in 2022, the Toronto Star published an article by Brandon Mayer of the North Grenville Times, stating that an "increase in (paper) deat least in part, by changes brought on by the COVID-19 pandemic, is the demand for cardboard boxes, as fewer in stores, and many are in-incremental lost pulp pro-that the source of the prob-equilibrium.

stead ordering online from duction due to the delays. retailers such as Amazon."

major contributing factors.

CBC reported a "renewed port costs are all behind a in total across all three sites. global paper shortage, and

While this article from CBC focuses mostly on the issue of paper for bookmaking, it is a parallel line of supply and demand that is causing issue in the newsprint industry.

British Columbia-based pulp and paper manufactur- printers and sellers have had er, Paper Excellence, stated mand that has been driven, that it has been dealing with delays due to shortages of skilled pressure vessel weld- piece published in the Toers at its Crofton facility, ronto Star, Mayer states that which will impact the length "sometimes there is nothing people are picking up items of the shutdown resulting in to do about it, except to hope

The company is concerned Apart from the pandemic, that similar shortages will there seems to also be other impact upcoming shutdowns at its Howe Sound and In late November of 2021, Skookumchuck facilities. The company currently expects a interest in reading, a dip in loss of about 10,000 tonnes recycling and surging trans- of NBSK pulp production

While Paper Excellence readers risk paying the price." calls Canada home, it is a global distributor of pulp and paper products that ships 4,922,000 tonnes of product each year.

As a result of Canada's paper shortage some busi-In a May press release, nesses have unfortunately had to increase prices and no other choice but to close their doors.

In the aforementioned



Max Carrington // Editor editor@equipmentjournal.com

lem will be resolved sooner, rather than later."

I could not agree with him more. While some businesses have felt a significant negative impact, others have not. As CBC reported, there is a renewed interest in reading. Over time the supply and demand of pulp and paper products will get over this speed bump and recover its



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**CAT D8T LGP (2014) – 10,985 Hours** 38" Pads, CAT SU Blade, Ripper, Winch or Drawbar,

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JOHN DEERE 872G (2013) - 5,840 Hours 6x6, Snow Wing, 17.5R25 Snow – Ice Tires, Front Lift Group, Frt & Rear Fenders, Work Ready.



**CAT 980M (2015) - 8,410 Hours**Aggregate Handler Spec, Spade or GP Bucket, 29.5R25 L-5 Tires, All Servicing & Repairs being Completed.



**CAT 980M (2015) – 9,960 Hours**3027 idle hrs, Choice of Buckets
L4 Tires, Rear Camera, All servicing & Repairs
Completed.



**CAT 980M (2016) - 6,490 Hours**High Lift, Dealer Maintained, GP Bucket, Steering Wheel, CAT Payload Monitoring, Auto-Dig Function, CAT Auto Grease.



**CAT 980M (2016) - 7,885 Hours**Aggregate Arrangement, 7.75 CYD Bucket,
Auto Grease, Rear Camera, All servicing / Repairs
Completed.



**CAT 988G (2004) - 17,055 Hours**Choice of Buckets, 2,000 Hrs on Rebuilt Engine, Michelin 35/65R33 Tires, Very Straight Loader, All Servicing & Repairs to be Completed.



(2) KOMATSU WA500-8 (2016) 8500 & 9600 Hours, 8 CYD Bucket, 29.5R25 Tires, Bucket Scale All needed servicing & Repairs being Completed.



**KOMATSU WA500-8 (2017) - 6,659 Hours**Yard Loader Arrangement, 8.25 CYD Bucket,
875/65R29 Tires. All Servicing / Repairs Completed.



**CAT 745C (2015) – 5895 HOURS**NEW 29.5R25 Tires, Dealer Maintained, Tailgate Available, All Servicing / Repairs Completed.



**CAT 980M (2014) - 8,910 Hours**Aggregate Handler, 7.75 CYD Bucket, L3 Tires,
Auto Grease, Rear Camera, All servicing &
/ Repairs Completed.



Volvo A30G (2016) – 7,054 Hours 23.5R25 Tires, Tailgate, Inspected, Serviced, All Needed Repairs Completed.

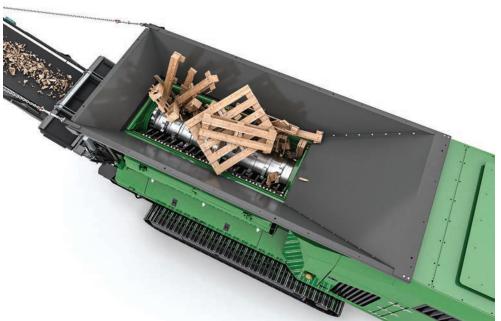


**VOLVO A30G (2017) - 7,298 Hours** 23.5R25 Tires, Tailgate, Inspected, Serviced, All Needed Repairs Completed.



**CAT 745C (2016) - 7,025 Hours** 29.5R25 Tires, Payload Monitoring, Rear Camera, All Needed Repairs Completed.

JUNE 20, 2022 EJ



# **McCloskey Environmental makes first trade** show appearance, unveils new shredder

McCloskey Environmental has unveiled its brand is making its global debut as an exhibitor. new ESS-300 single shaft shredder as the latest technologies trade show, IFAT 2022.

Building on the design of the ES-250, this single shaft primary shredder boasts a lineup of features that are aimed at boosting productivity.

The ESS-300 features a 33-knife rotor with replaceable cutting tips on the hydraulically driven single shaft, which McCloskey claims will increase the machine's longevity and reduce down time.

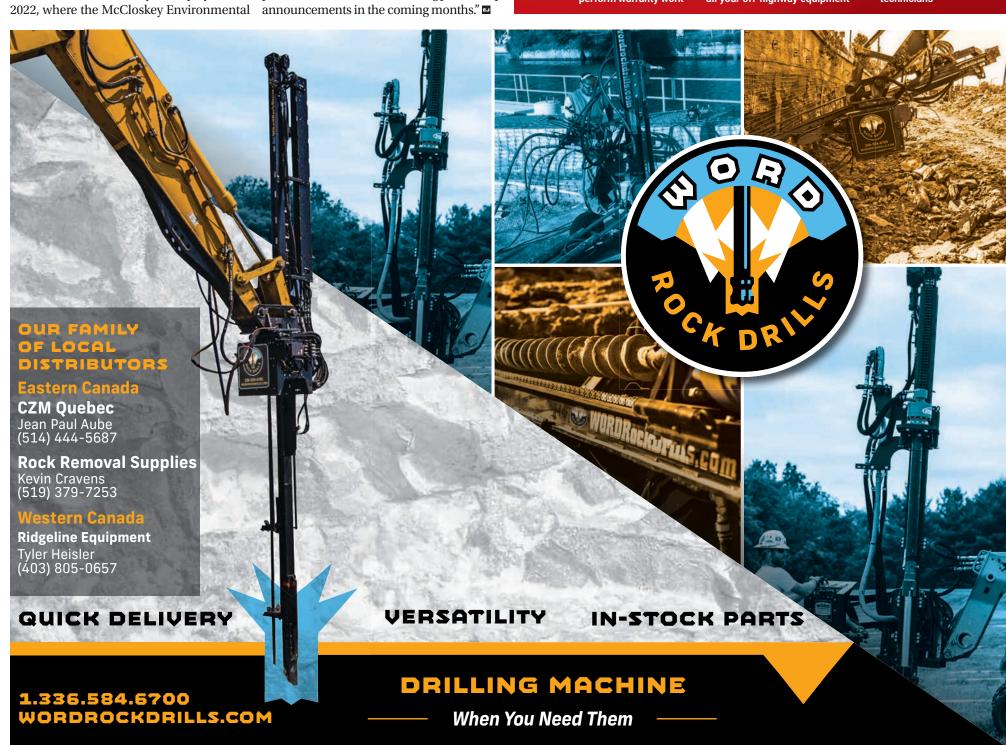
Additionally, exchangeable mesh, accessible from the side opening of the chamber, allows the machine to efficiently process and size a wide variety of materials.

The ESS-300 is currently on display at IFAT

entry into its product line at environmental of tonnes of waste from landfill with its 35+

"McCloskey has assisted in diverting millions years of designing and manufacturing industry leading equipment working in a variety of applications. Sustainability is at the core of our products, and those produced by McCloskey Environmental will deliver significant tangible advantages to customers, including innovative thinking, lower cost of production, and ease of operation and maintenance, with the key focus being waste to energy." said Fergal Mallon, product line manager, McCloskey Environmental. "Looking ahead, we are very optimistic about the strong position we are in through 2022-2023. We have an exciting list of products introductions and strong partnership









# JCB machines parade toward Buckingham Palace in Platinum Jubilee Pageant

mark years of The Queen's ham Palace, past members of that drove the JCB ma-70-year reign took part in the the Royal Family and tens of chines spoke of with pride Platinum Jubilee Pageant in thousands of cheering spec-London on June 5th.

Five diggers paraded down route.

JCB machines from land- The Mall toward Bucking-

and emotion about being tators who were lining the involved in the tribute to The year 1953. Queen, as they drove ma-

The team of operators chines manufactured in The Queen's jubilee years of 1977, one made in her coronation JCB backhoes right up to date

JCB Backhoe Loader Prod-Carder, 46, of Uttoxeter was developed by the Stafford-Silver Jubilee - a machine he hydrogen as a zero CO<sub>2</sub> alrestored to its former glory in 2012.

to describe what an amazing occasion this was. The received from the crowds, who were at least 10-deep simply incredible," said Carder. "They were waving and Williams. cheering us as we drove the machines down The Mall, The Queen."

JCB Test Site Operator as she drove a 2022 model powered by hydrogen. The uct Marketing Manager Julian machine is currently being driving a 1977 JCB backhoe shire-based company as from the year of the Queen's it explores the potential of Royal Family. ternative to fossil fuels.

"The highlight for me came "It is hard to find the words when we drove through Admiralty Arch and took in the scene in front of us—the flags response the JCB machines in The Mall and the tens of thousands of people waving and cheering. It was simply along most of the route, was amazing and a once in a lifetime experience," explained

Leading the parade was one of the first backhoe and it was a very emotional loaders ever built by JCB experience. We are all very in 1953—the year of Her proud to have taken part in Majesty's Coronation—drivsuch a fantastic tribute to en by Andy McLeod, of ABM Plant Hire, of Derby. JCB Rocester, was driving another iconic JCB 3CX backhoe from 2012—the year of the Queen's Diamond Jubilee.

At the end of the Pageant Georgina Williams, 30, of the team was ushered to the 2002, 2012 and 2022—and Derby brought the parade of front of the gates of Buckingham Palace with everyone else who had taken part to witness the culmination of the event, a balcony appearance by Her Majesty the Queen and members of the

> JCB Demonstrator, Matt Lucas, of Werrington, Stokeon-Trent, drove a 2002 JCB backhoe loader made in the year the Queen celebrated her Golden Jubilee.

> "The moment when the Queen came out on the balcony was very emotional. The roar of the crowd and the singing of the National Anthem in front of Buckingham Palace at that moment is something I will never forget," said Lucas.

Yesterday's Pageant was the culmination of celebrations to mark The Queen's 70 years on the throne. It demonstrator Dan Potter, of involved more than 10,000 people and told the story of the monarch's seven-decade reign through music, dance and fashion.







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### Terex Finlay refreshes image, rebrands as Finlay

Terex Finlay has announced a rebrand of the business to update and refresh its image

values and future strategies. The business is to rebrand globally as 'Finlay' to and a new house style for its marketing collateral.

Matt Dickson, global business line director, explained that the rebrand is part of an on-going drive for improvement, growth and innovation across the business. "Our founder, John Finlay pioneered the concept of mobile screening equipment and his name has been iconic in the industry with a reputation built upon reliability and performance for over 65 years. In the past decade we have implemented an aggressive growth strategy focused on the delivery of the most comprehensive range of tracked equipment on the market today along with the infrastructure to support the a full suite of internal and machines globally."

He continues, "Our product offering will forever evolve and expand to meet the needs of our customers. We already offer an extensive array of machines powered by hybrid technology and in the coming years we will further develop hybrid and electric powered equipment through our product road map based on the 'voice of customer' feedback that we have received."

Matt goes on to say that, "Aftersales service support customers, we realised the director.

Northern Ireland based based on its traditional core importance of developing our brand identity to reflect our history, success and status in the global market include a new logo, slogan for tomorrow's customer. Adopting the new Finlay logo, offers a fresh and modern approach, yet familiar with our extensive history. The new slogan, 'Strong Heritage, Strong Future,' reflects on the strength and depth of our heritage, which encompasses the attributes in our products such as innovation, performance and reliability, complimented by the service and support associated with our dealer network. The strength within the future of the brand, advocates our future strategies across product and geographical development, operational improvements and support services."

> "The rebrand will include external marketing material, refreshed social media and digital channels, integrated into a modernised and refreshed website. The new identity has been purposefully designed to be adaptable across both traditional, and new digital communication platforms. We are well placed for the future, focused on continuing our growth and strengthening our brand. Our bold, new identity is a visual signifier of our position as one of the world's leading crushing, and the deployment of screening and conveying digitalisation solutions to manufacturers and we are support this is key to ensure excited to deploy our prodwe remain at the top of our ucts and services for the industry. Through exten- years ahead," commented sive market research with Neil McIlwaine, business our dealers, partners and development and marketing



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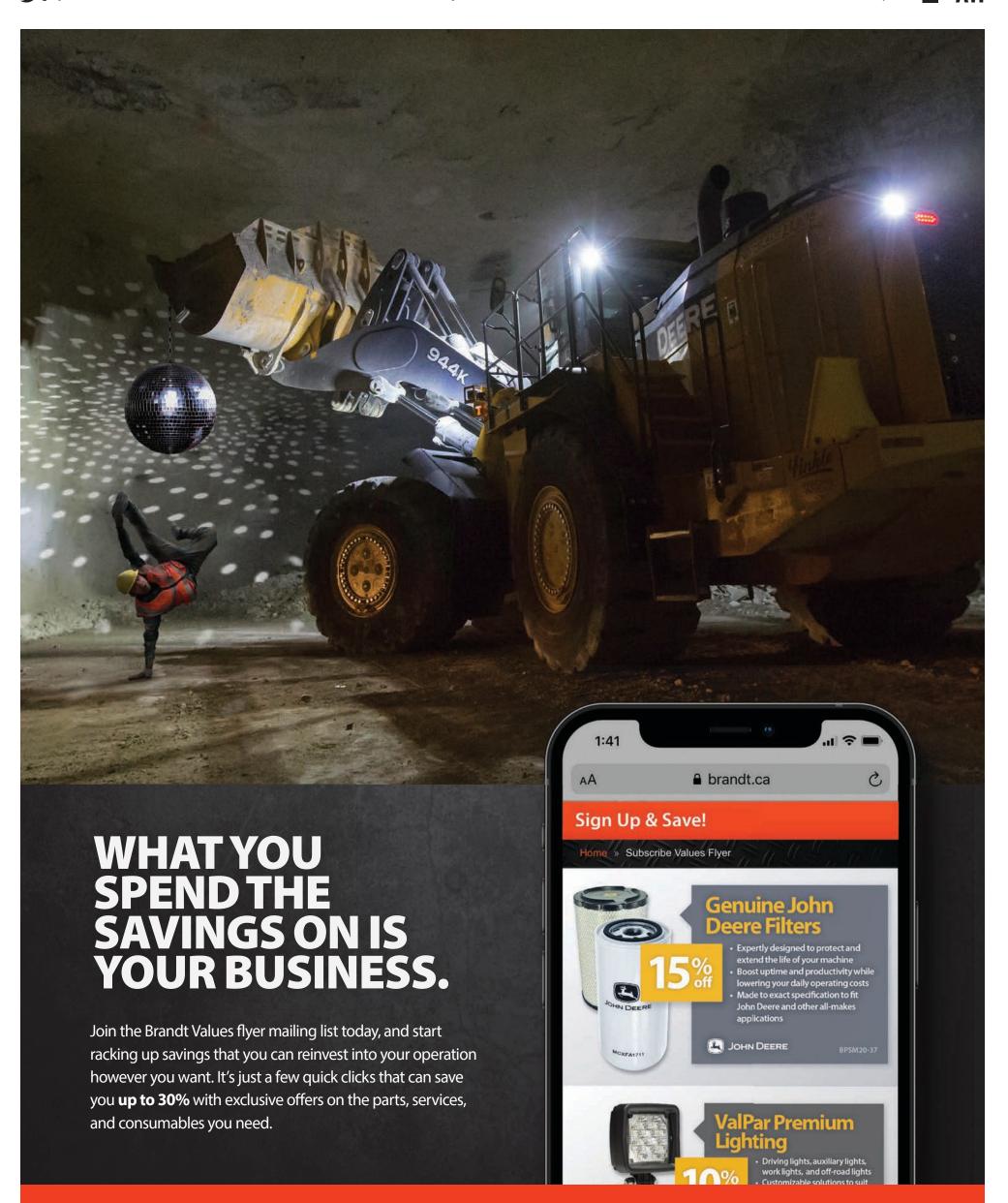








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**Compact Equipment** 



### Metso Outotec updates portable plant solutions

range.

The NW Rapid concept provides the quarries with capacity, mobility and flexibility and enables short time between job assignment and delivery. The plant consist of primary, secondary and tertiary crushing stations that make the entire plant quick to set-up, as the process layout and flow sheets are pre-designed for different capacities and amount of end products. As wheel-mounted machines, and conveyors designed to be set up without heavy cranes, the entire plant can be re-located in 1-2 years to a new crushing or construction site. Crushing permits are also easier to get for a portable plant.

"When producing aggregates near a periodical construction site such as highway, airport or a dam project, there are significantly savings compared to transporting the rocks from a stationary quarry. To get our customers an even better competitive edge, we have renewed the 250 tph range crushers with integrated screens. The material flow is better, separate the electric cabinet from the chassis for improved erconomics, and we are introducing a new on-board under

Metso Outotec is renewing its NW Rapid Rapid in one piece", says Jarno Pohja, Prodportable plant solutions in 250 tph capacity uct manager, Portable solutions, Aggregates business area, Metso Outotec. "We are also adding two new portable screens to the range, NW2060S and NW1855S, to have even more flexibility for the customer process", adds Jarno.

> According to the company, the benefits of the NW Rapid portable crushing solutions include:

- Possible to re-locate in 1-2 years for crushing near the construction site and easier crushing permits
- Fast and easy purchase with 15 readymade layouts and flowsheets
- Fast set-up with well-documented support and hydraulic options
- Highest in-class capacity ranging up to 350tph
- Process control and remote user interface included as standard with Metso Outotec IC process control system
- Lifecycle Services: Equipment Protection Services (EPS) including Metrics Services, scheduled inspections and extended warranty, wear and spare parts delivery plan

Metso Outotec plans to showcase the NW size conveyor for easier transportation of Rapid portable crushing plant solutions at the NW220GPS, NW200HPS and NW7150S Hillhead on June 23rd & 24th.

2008 Gradall XL3300III - New Condition, 1,500 Hrs

**1999 Gradall XL4100** - 4,500 miles, A/C Upper,

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1996 Gradall XL 4100 - Railroad wheels attached.

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aux. hydraulics, 60' bucket.



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**2016 BOBCAT 750,** 85 hp, 3325 ROC, 1030 hr, 10,500 lbs weight, heat & A/C, 2 speed, power Bob-tach, stk# B100-652



2015 BOBCAT S510, 1152 SMU hrs, aux. hyd., heat & A/C, joy stick controls, 31x10-20 Aperture tires, stk# B100-838



2013 BOBCAT 418A, 1391 SMU hrs, Tier 4, USA EPA label, 2'4" stick, 12" bkt, blade, control pattern changer, stk# B100-836



2014 BOBCAT \$510, 55 hp, 1372 SMU hrs, aux. hyd., 67" bkt, aux. hyd., manual coupler, stk# B100-843



2015 BOBCAT T590. Tier 4, aux. hvd. 2015 USA EPA label, stk# B100-839



2016 BOBCAT V417 VERSAHANDLER, 625 SMU hrs, 75 hp, 4400 lbs max load capacity, 17' lift height, 4 wheel dr, stk# B100-639



**2022 BOBCAT E42,** 5 hrs, 42.6 hp, 9830 lbs weight, long arm, thumb, dozer blade, aux. hyd., rubber tracks, stk# B100-878



2018 BOBCAT T450, 55 hp, 290 hrs, Bobtach, aux. hyd., SJC controls, 2 speed, float, 1400 lbs ROC, Tier 4, stk# B100-874



**2016 TOOLCAT 5600,** 1759 SMU hrs, 4x4, hyd. dump bed, 68" bkt, high flow, heat & A/C, road pkg, stk# B1<u>00-8</u>77



2016 BOBCAT MT55, 594 SMU hrs, 24.8 hp, diesel, 550 lbs ROC, 36" bucket, stk# B100-886



2016 BOBCAT T450, 1300 SMU hrs, under grd ready, ramp cert., heat & A/C, deluxe panel, keyless start, stk# B100-837



2013 BOBCAT 324, 1632 hrs, pattern changer, 49" stk, aux. hyd., USA EPA label, manual Q/C

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2001 Gradall XL 4100 - 840 miles, Ownership can be licensed



2009 Track Gradall XL 3200 - 2,500 Hrs.





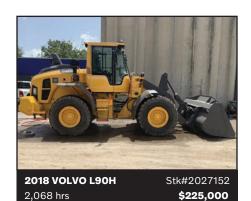
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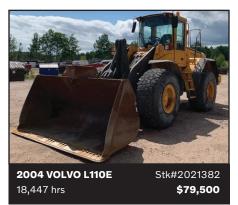
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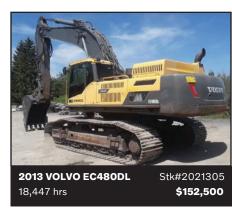


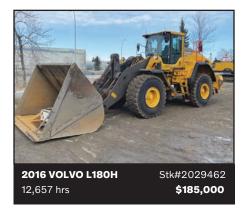
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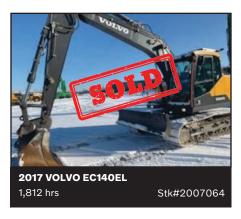




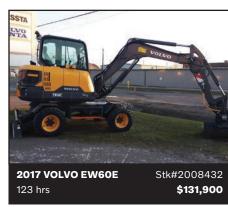


















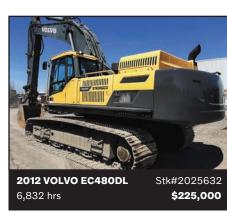






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# New Cat 966 GC wheel loader boasts high performance and low costs

ity in a wide range of applications, the new Cat 966 GC wheel loader is designed for high performance and efficient operation. Its Caterpillar-designed components, on-demand fan, load-sensing hydraulics and intuitive controls keep fuel consumption and operating costs low, making it a versathe needs of the rental and municipal markets.

The Cat C9.3B engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Tier 4 Final, China Nonroad Stage IV and Japan 2014 emission standards with a gross power rating of 239 kW (321 hp). The engine's automatic Cat Clean Emissions Module (CEM), including SCR catalyst and diesel particulate filter (DPF), works in the background without impacting the production schedule.

The Cat Engine Idle Management System (EIMS), Auto Engine Idle Shutdown (EIS), variable speed fan and load sensing hydraulics help result in low fuel consumption and reduced sound levels on the machine. Also, an optional automatic reversing fan assists in clean- provides on-the-go weighing cooling cores to improve ing for more precise of load performance in high-debris targets with flexible and environments.

Furthermore, the new loader features a 4-speed electronically-controlled, automatic planetary powershift transmission with shift protection and single clutch gear shifting. According to Cat, the loader's optional ride control improves operating smoothness over rough terrain while optional limited slip differential axle configurations increase traction in poor underfoot conditions.

#### Front linkage

Caterpillar's Z-bar loader linkage with cast crossmember and tilt-lever looks to provide both strong digging capabilities and high

pressure to precisely match comfort. requirements of the operatoverall fuel burn.

perience levels to routinely attain 10% higher bucket-fill climates. factors, compared with legconsumption.

Also, the 966 GC can be equipped with the Cat Fusion<sup>™</sup> quick coupler and controls, and combined with optional third-function auxiliary hydraulics, the coupler allows use of a wide selection of Cat work tools.

An optional Cat Payload kit simple installation and easier calibration. Cat Payload weighs the material while moving to the truck and lifting, limiting interruptions in the load cycle. Also, it allows the operator to load to exact specifications and load more trucks and move more material faster.

#### Operator environment and serviceability

According to Cat, the new 966 GC loader features a simple, intuitive and ergonomic control system with an operator interface display that includes six analog-like gauges, colour indicator lights, and an LCD screen—all within easy view,

loader is equipped with Cat monitor machine systems. Performance Series buckets. Low-effort, pilot-operated The load-sensing implement implement controls feature hydraulic system continu- a remote transmission kick ously controls flow and down switch for operating

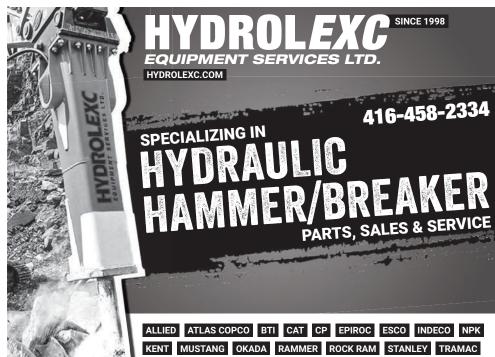
Cat has kept safety in mind ing situation, reducing both with inclined ladders and the load on the pump and integrated handholds located on both sides of the machine, Using a system-based ap- which provide access to the tile machine that also fits proach to balance bucket cab and to the engine air shape with the machine's lift filter. A large roof-to-floor, and tilt capacity, weight and distortion-free, flat glass front linkage, Cat's Performance windshield; standard rear-Series Buckets are available view camera; and exterior for a range of applications mirrors, with integrated spot including general purpose, mirrors, provide all-around flat floor, heavy duty rock and visibility. The standard heatlight material. The company ing and air conditioning claims that design features system features ten louvered enable operators of all ex- vents and helps to keep the operator comfortable in all

> Large gull-wing engine acy designs, to improve hood side panels and a tilt-up production and reduce fuel rear grill provide unrestricted

Offering long-term durabil- breakout forces when the so operators can quickly access to daily service points, Cat Autolube greasing system servicing elements. Also, fuel and DEF fills, greasing is available. points, filters and fluid-sam-

maintenance, an optional operating efficiency and page, app or VisionLink.

Product Link captures critic-Cat's Product Link comes al operating data, remotely pling ports. Further reducing standard, which improves monitored through its web-





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# Caterpillar looks to engage soccer fans through new MLS partnership

Caterpillar has announced a the fastest growing sports League in North America. With the highest percentage of millennial and multicultural fans of any North American sport, the sponsorship is designed to amplify the Caterpillar brand to a broader, more diverse audience in the United States and Canada and to engage with more deeply.

multi-year sponsorship with partner with Major League to introduce Cat to a broader engage long-standing cus-Major League Soccer (MLS), Soccer, as we share a joint audience." commitment to being leaders in the communities where global brand and Major we live, work and play," said League Soccer is honoured Yvette Morrison, global to partner with a company director of marketing and whose values and dealbrand for Caterpillar. "We er network are committed and most diverse player pool celebrate the people who do to building a better, more the work every day and are modern future for soccer constantly looking for new communities across the players from more than 82 ways to engage with our next world" said Carter Ladd, generation of employees, cus- executive vice president of the League's passionate fans tomers and their families. brand alliances & consumer efforts to evolve the brand,

"Caterpillar is a leading, This sponsorship provides products at MLS. "Togeth-

"Caterpillar is eager to a perfect opportunity for us er, MLS and Caterpillar will representative of the many tomers and the most diverse fanbase in all of sports to of soccer in the U.S. and Can-

MLS features the youngest of any of North American professional sports league with countries. The sponsorship of MLS supports Caterpillar's and ensure the company is

it serves.

As a part of the sponsor-Cat® products into the soccer ecosystem. Cat dealers will operators and customers as make a trick shot. well as their families.

Caterpillar recently colemployees and customers laborated with MLS in development of Cat Trials 12: No Hands, which feapositively impact the sport ship, MLS will collaborate tures U.S. and International with Caterpillar to integrate Federation of Association Football (FIFA) World Cup soccer legend, DaMarcus also have access to exclusive Beasley, teaming up with ausoccer experiences for their tonomous Cat equipment to



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# **BARKO** launches new remote monitoring platform

BARKO Hydraulics has announced BARKO Insight, on new BARKO equipment a remote platform designed to monitor the performance of heavy machinery.

"BARKO Insight uses real-time data to inform proactive maintenance and operating decisions for a fleet," said BARKO president, Justin Rupar. "With this type of information at the fingertips of owners and some of the key benefits of operators, both will gain a better understanding of how their machines perform in real-time. This obviously directly impacts productivity optimization and the extension of equipment life."

BARKO Insight is available and comes with a free 1-year subscription. BARKO Insight includes an intuitive dashboard, providing real-time insight into how a machine is running, with automatic alerts if performance metrics single machine or an entire slip below normal operating conditions.

> According to BARKO, the platform include:

 Detailed performance monitoring: knowing exactly what's going on under the hood allows owners to make smart maintenance decisions.

 Automatic alerts: receive notifications if performance falls below normal operating conditions.

- Geofencing: receive automatic alerts when geofence boundary.
- 24/7 remote monitoring: access real-world usage

data, increase uptime and optimize operational productivity.

Concluding, Rupar noted, "BARKO machines are built machines enter or exit a tough, built to last, and with BARKO Insight, they're now built to work smart."

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Learn more about the Shuttle Buggy® MTV



# One forall

Medium-size, top class: the L 526, L 538 and L 546 wheel loaders score top marks across all performance parameters. With the new, optimised Z-bar linkage, Liebherr has opened up unlimited application possibilities allied to even better productivity. Generation 8 is bigger, tougher and more powerful than its predecessors - but with consistently low fuel consumption.

www.liebherr.com

# IEBHERR

Wheel loaders L 526, L 538 and L 546





# **Volvo CE becomes official rallycross track building partner of World RX**

Following the news that pionship (World RX), Volvo close as it is thrilling. CE has announced that it will expand its involvement, becoming the series' "official track build partner."

struction Equipment Sup- testing a whole new series

#### World RX tracks 2.0

workshops on what features

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According to Volvo CE, the make for the best rallycross Volvo Construction Equip- company decided to use its track, Volvo CE invited the ment (Volvo CE) has off-road expertise to help FIA, Race Series organizbecome the Official Con- World RX in designing and er Rallycross Promoter GmbH and professional plier to the new fully electric of track elements that will drivers Timmy Hanssen, FIA World Rallycross Cham- encourage racing to be as Klara Andersson and Niclas Granholm to its specially developed rallycross testing facility at the GTR racetrack Following a series of in Eskilstuna, Sweden. Here, Volvo CE has helped test and design jumps, turns and track features.

> During a three-day test at the Rallycross Test Lab in **Designed for racers, by racers** early May, each track element was closely evaluated, with lots of brainstorming on how to encourage more greater spectacle for race-

gested improvements, which dersson. "The jumps are ing Rallycross circuits in were then realized using epic—the fastest ones we each feature was approved through the air for 25 meters by the FIA, the build data and more!" was captured in 3D through Volvo CE's Dig Assist in-cab will be thrilling to drive," machine control applica-

programmed into compatible Volvo machines and World Championship.

According to Klara Andersson, driver for the new **Construction Equipment** 

"The new tracks are going The racing experts sug- to be awesome!" says An- next generation of thrill-

Volvo CE's machines. Once will hit at 100 km/h and fly

"The new race elements says Niclas Granholm, Andersson's teammate. "The Now, this data can then be steep banking means we will be able to drive through turns on full throttle, while recreated at each of the other corners are cleverly other dynamic rallycross tracks during the upcoming designed so that there are multiple racing lines - leading to wheel-to-wheel racing and more overtaking."

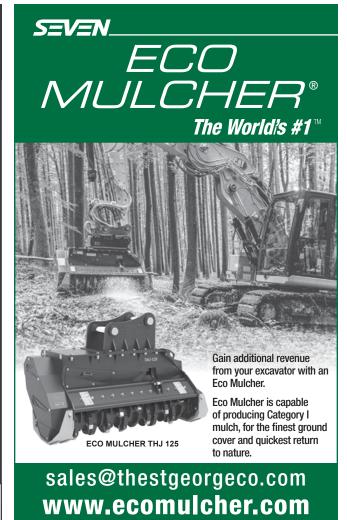
#### **Next-gen sustainability**

A series of workshops were Dealer Team, she is looking held to determine the most overtaking and creating a forward to trying out the new exciting and efficient track

"Our aim is to create the

the most effective and sustainable way," says Arvid Rinaldo, who heads up the partnership and operational involvement in World RX for Volvo CE. "Our ultimate aim is to support the build and upgrade of tracks with a zero-carbon footprint, but thanks to the use of our electric equipment and latest low-emission engines running on biofuels, even at the outset we hope to significantly reduce the carbon footprint of each track build. It's the perfect platform for us to demonstrate to our own audiences how we can help transform the construction equipment industry and motorsport to be more sustainable."





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# **Epiroc's new Boomer S10 S takes leap** in cost efficiency and productivity

Being the world's first automated one-boom jumbo for vides precision in drilling the small segment, Epiroc's new Boomer S10 S pushes throughout the cycle—all the boundaries of what to expect from a face drilling rig.

The Boomer S10 S proand major cost savings thanks to being the world's first one-boom jumbo featuring Epiroc's rig control system. The consistent, repeatable and quality-assured results are made possible by advanced automation, operator-assisting features, and digital drill plans.

"With Boomer S10 S as our latest addition, we are proud to offer a sustainable automated operation for the small segment, with a complete range of automated rigs for face drilling, production drilling and rock reinforcement underground," said Sarah Hoffman, VP sales & marketing at Epiroc's Underground division.

#### **Quality equals savings**

According to Epiroc, the new Boomer S10 S doesn't compromise on quality.

Compared to traditional, non-automated one-boom jumbos, the Boomer S10 S decreases the consumption of consumable parts by 30 % while lowering maintenance costs by 12%.

#### The value of automation

Thanks to the digital drill plans and Epiroc's rig control system, the drill rig is perfectly aligned in the drift to optimize accuracy, providing less overbreak and underbreak and longer pull

"The Rig Control System provides drilling accuracy reduction of live work.

way beyond what human eye measure could ever accomplish. It is high-quality production from start to finish, and a great milestone reached for mine development", said Niklas Berggren, global product manager of face drilling equipment at Epiroc.

When applying Epiroc's high performance development method—a way of working during the entire drill cycle—the Boomer S10 S offers up to 25% more development metres compared to traditional one-boom jumbos. The total cycle time is reduced thanks to better pull-length, fragmentation, and less need for scaling.

"It's a snowball effect on productivity: accurate drilling holes means less explosives, less scaling and better tunnel profiles. In turn, a better tunnel profile means less rock reinforcement and less tear on all the machines in the drift. All this leads to significant cost reductions while increasing productivity and safety for everyone involved", Niklas Berggren explains.

#### **Taking operator ergonomics** to new heights

According to the company, the Boomer S10 S is designed for great ergonomics with lower vibration and sound levels (<75 dbA). Apart from offering better visibility and a multi-functional joystick, it also grants superlative comfort and a significant



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# Liebherr presents new multi-tine grab

ling are some of the toughest applications in industrial goods handling. Robustness, reliability and efficiency are required therefore, choosing the right attachment for the job is key for efficient and economical goods handling.

With the five-tine grab GMM 50-5, Liebherr has developed a new attachment that fully meets these special operational requirements. A comprehensive portfolio of buckets as well as a wide selection of optional equipment means that diverse materials can be handled efficiently and economically in recycling and scrap handling. Only top-quality manufacture of the new grab. The GMM 50-5 is available for material handlers with an operating weight from 35 to 55 tonnes.

#### **Robust and resistant**

The components of the new GMM 50-5 are made of sturdy cast steel as well as low-wear, high-strength rod protection for hydraulic motor and hose protection

use of the high-quality ma- with the grab as standard. the toughest applications and also guarantee a long-lasting material handling scenarios. The special shape of the tine also when the tines becomes support and the buckets was developed based on stateof-the-art calculation and back on the tines also extends simulation software. Thanks the service life immensely. to this modern development Long-lasting good and preprocess, the new grab is excise penetration in diverse tremely robust and resistant scrap and recycling materials despite its low dead weight. is due to the special shape

torque, the slewing drive, for tips. They are made from a example, was equipped as new type of material for a standard with two motors. long service life. This increases the service life and minimises wear **Easy servicing and** considerably. Both rotary numerous options materials are used for the transmission and the reinforced slewing drive are arranged ergonomically sealed multiple times to give maximum protected against is supplied with the necesexternal factors such as dust sary lubrication in a very and water.

fast work speeds, but also efficient machine operation. The sealed, anti-twist piston

terials guarantees extreme The latter come with new stability and resistance for cylinder kinematics, which and good closing mechanism

A newly designed wear In order to split the high and alignment of the tine

As the lubrication points and logically, the GMM 50-5 short space of time. Perfect Large and flow-optimised tolerances and generously dioil ducts not only ensure mensioned bearing surfaces lead to gentle interplay of the individual components.

Thanks to the optional

hydraulic lines is minimised. An optional central lubrication system assumes regular, automatic lubrication of all 50-5 can be equipped with shackles to protect magnetic for optimal grabbing of plates. In order to protect mixed and shredder waste the edges of the often highly

with a reinforcement set of wear-resistant sheets.

The GMM 50-5 is designed as well as chippings or shavstressed internal sheet of the ings with content of up to heart-shaped tines.

Recycling and scrap hand- steel sheets. The consistent cylinders is also included damage to rotary motors and grab against wear and tear, 1.10 m<sup>3</sup>. The arrangement the tines can be equipped and shape of the tines are optimised for perfect penetration and holding of bulky and at the same time loose material. Liebherr offers a choice of three different tines for handling diverse materials: open tines, semiclosed tines and closed,







The CT718 compost turner sets new standards for efficiency, productivity and ease of operation. Operator comfort and efficiency have been enhanced - including new controls, an easy-to-read control display, along with side and rearview cameras. Plus the

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The **HG6000** features a Cat C-rated C18 Tier 4 Final engine specifically chosen to meet the demands of your operation as well as those set by governmental regulations. It also comes with two adjustable screens - allowing you to mix and match screens to meet your end product needs for a variety of applications.



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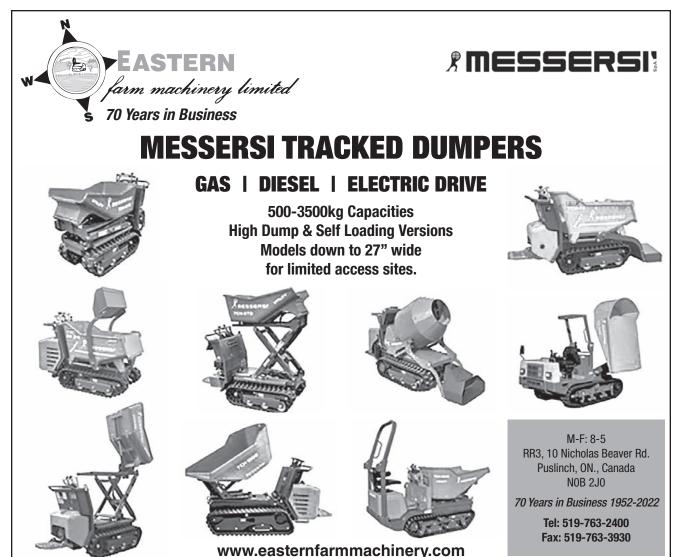
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A30G





### **Volvo CE becomes first manufacturer to deliver** fossil-free construction machine

Volvo Construction Equipment (Volvo CE) becomes the first manufacturer to deliver a construction machine built using fossil-free steel to a cus-built using fossil-free steel, was

In the latest step on its path fast-tracking of innovation of Volvo CE, Melker Jernberg, toward carbon neutrality, to real-world solutions as to long-standing customer chain come together to drive by LeadIt—the Leadership

The A30G articulated hauler, tomer. This demonstrates the handed over by the president

companies across the value NCC at a ceremony hosted Group for Industry Transition—in conjunction with the United Nations environmental meeting, Stockholm Kerry, US Special Presidential Envoy to Climate and Annika Strandhäll, Swedish Minister for Climate.

> The move comes just nine months after the company unveiled the world's first vehicle concept using fossil-free steel, as part of the testing of the implementation in an ordinary production setup.

While commercial introduction is expected to be gradual, this first handover is an important milestone in driving the industry's transformation toward global climate goals.

The A30G is produced at Volvo CE's Braås facility in Sweden, using the existing manufacturing process, with fossil-free steel from Swedish steel company SSAB.

"We are sure that to succeed in decarbonizing the construction industry, actors in the value chain will need to collaborate and act," said Jernberg. "Thanks to our strong partnerships with other driven and forward-thinking companies, we are now able to lead the change towards

fossil-free construction and be the first to deliver a machine built using fossil-free steel to a customer. Turning commitments into actions is key to building the world we want to live in."

"NCC has a firm com-+50. It was attended by John mitment to contribute to sustainable development. We are working determinedly and systematically to reach that target, which includes selecting machines that live up to our high demands," said Tomas Carlsson, CEO and president of NCC. "As demonstrated in this great example, it takes strong and proactive partnerships between several players to make the sustainable shift possible."

> As part of its Science-Based Targets commitment, Volvo CE is set to achieve net-zero greenhouse gas emissions by 2040.

> Alongside the electrification of its machines, the company recognizes the importance of reducing its carbon footprint across its entire value chain. This includes the raw materials used in its products, of which steel is a major component.

> According to the company, production using fossil-free steel in Volvo CE's machines and components will be gradual and depend on aspects like the availability of steel.



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# Independent testing confirms fuel-saving performance of Dynapac roller

Dynapac has announced that, through independent test- an advanced data flow from the Seismic compaction meter ing, its CA3500D Seismic soil roller demonstrates its effect- to the onboard machine control unit, which regulates the iveness not only in achieving optimal compaction, but in machine's hydraulics. saving fuel on the job site. This testing was veridied by the

#### Smart, sensational, Seismic

In any compaction job, finding the right balance of factors for the best results has always been a science. Dynapac claims that with the CA3500D Seismic soil roller, achieving fast, cost-effective compaction while reducing both fuel and emissions is now easier than ever.

It begins with the unique and intelligent Seismic technology that automatically enables the roller to determine the optimum frequency for any material to be compacted. At the heart of the system is an onboard machine control unit, as well as a next-generation compaction meter.

This feature makes it possible for Seismic to sense the dynamic characteristics of the material and subsequently calculate the optimum frequency required for optimal compaction results. The entire process is achieved using

By working together with the soil, the Seismic feature Swedish National Road and Transport Research Institute automatically applies the correct amount of energy required and can hydraulically change the vibration frequency every 0.2 seconds for maximum performance.

#### Proven fuel efficiency

Seismic's performance has now been verified by independent sources. Recently, the Swedish National Road and Transport Research Institute supervised a series of fuel consumption tests on the Dynapac CA 3500D Seismic soil roller. It was tested in three different settings over a period

The two test weeks were identical regarding procedures and were performed twice to validate that similar test results were reached.

VTI measured a fuel reduction consumption of 28-35% compared to conventional compaction (fixed frequency).

Moreover, they registered a good alignment with the onboard telemetrics, which reported savings of 36-38%. Reduced costs from the reduction of passes were not included in the report. Under real job site conditions, there is an overall saving of around 55% to complete the job. ■









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# **Hitachi kicks off North American** expansion with launch of new excavator

Hitachi Construction surized oil to each actuator. allowing pressurized oil from Machinery Americas Inc. The pumps are controlled the pump to be efficiently (HCMA) is introducing its electrically for precise oil line of Hitachi-built excav- flow for sensitive front atators to the Americas. tachment control and lower versatility, two extra spools According to the company, this new line of equipment II technology minimizes will redefine power and hydraulic system losses by speed while reducing fuel reducing the hydraulic oil consumption.

Targeting the most popumarket, the ZX210LC-6 HP offers the performance to excel at earthmoving, material handling, demolition, underground excavation and more. It has unparalleled power, speed and precision to meet the most demanding job site requirements.

A high-power HP Mode its own pump, making the Also, the oil flows separately cylinders.

pumps. The TRIAS II hydraulan optimal amount of pres- when lowering the boom,

fuel consumption. The TRIAS in the control valve make it returned to the tank. This helps lower fuel consumplar segment of the excavator tion in ECO mode with the same productivity.

To help drive performance, the ZX210LC-6 HP four-cylinder engine proalso includes an arm recirculation cancellation system for increased speed when geometry turbocharger that rolling the arm in. The system allows pressurized oil in the arm cylinder rod side to flow to the arm cylinder increases engine speed and bottom side for increased hydraulic-pump output arm roll-in speed when torque when extra speed the load is relatively low. A and/or heavy-duty work is hydraulic boost system inrequired. Each actuator has creases arm speed. During arm roll-in and boom-raising front attachment move faster. operations, excessive pressurized oil in the boom rod to the bucket, arm and boom flows to the arm cylinder bottom side to achieve speedy The previous generation arm operation by increased machine used two hydraulic flow. An enhanced boom cleaner emissions. recirculation system circuic system is an improvement lates pressurized oil in the tronic governor to maintain with three pumps that supply bottom of the boom cylinder

Jeff Lillycrop, CPPA

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used by the arm.

In terms of attachment easier to install attachments that require large volumes of oil for multiple functions and on models that have twopiece booms.

#### Reliable power

The proven Isuzu vides a net 163.6 HP (122 kW) and features a variable delivers an optimum quantity of air to the combustion chamber under all the engine's operating ranges. An electronically controlled common-rail fuel injection system delivers a precise quantity of pressurized fuel to achieve efficient combustion and reduce fuel consumption. The engine's combustion chamber now features a DLC coating for reduced wear and the revised piston shape helps achieve a wide range of useful tech- DOC is maintenance free and

The engine uses an eleca constant speed despite changes to the load. This can and sound output in no-load and light-duty operations. An engine warm-up system automatically increases engine speed in cold weather to quickly warm up the hydraulic oil and coolant to the proper temperature.

#### **Operator environment**

Hitachi ZAXIS-6 series excavators provide a superior

view of your surroundings. This is further enhanced with maintenance, while filters the Aerial Angle peripheral vision display camera system. The operator can select tain. Engine oil and coolant an image to view on the monitor quickly and easily with within the cab through the the flick of a switch. There multifunction LCD monitor. are three options to choose from: surroundings, rear lations are achieved using an right, and rear right and left. The surround image offers a integrated silencer consisting comprehensive 270-degree of a diesel oxidation catalyst view of the machine's immediate environment.

A large 7-inch multi-funcoperators to check the machine's status and settings at a glance.

A fully adjustable susreduce fuel consumption pension seat and integrated console gives the operator a greater sense of control and helps to reduce fatigue. into place on the ZX210LC-6 Improved sound isolation HP. This makes it easier to makes this one of the quietest replace and ensures that dust cabs in the market.

#### **Boosted uptime**

Simplified daily maintenance and enhanced with increased crossbeam durability features boost size and strength. The shape uptime. Wide-open engine of the lower roller has been

are within easy reach and take just minutes to mainlevels can be checked from

Tier 4 final emissions reguaftertreatment device with (DOC), a selective catalytic reduction (SCR) catalyst and a silencer, which keeps maintion LCD monitor provides tenance to a minimum. The filter (DPF).

> A high-performance water separator and cold fuel resistance valve are integrated into the pre-filter for added protection against moisture. The main fuel filter screws doesn't enter the fuel circuit during maintenance.

The durability of the undercarriage has been enhanced

covers provide access for changed to prevent mud from entering it and causing damage to the oil seal. The sliding surface of the bearing part that supports the front idler has been significantly enlarged, improving its wear resistance. In addition, the front idler and adjuster cylinder have been integrated in the new ZAXIS series excavators, improving their durability.

This new model comes with Global e-Service, which allows equipment owners to monitor their Hitachi ZX210LC-6 HP excavator renical information. It enables there is no diesel particulate motely via Owner's Site and ConSite, Hitachi's full data toolkit with a suite of apps for managing machine performance and productivity. ConSite tracks performance metrics like idle time, operating time and fuel efficiency along with location services in real-time, and it alerts owners and operators to upcoming maintenance needs. These "predict and prevent" tools help fleet managers maximize machine efficiency, minimize downtime and improve overall performance.







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# Manitowoc launches new version of Potain MCT 565 for short-jib applications

Since its launch three years ago, Manitowoc crane has surpassed expectations on jobsites worldwide.

has introduced an 'A' version of the MCT 565 a project in Singapore.

during construction processes.

jib and counter-jib, which the company believes will make it ideal for busy jobsites proximity.

asserts that the Potain MCT 565 topless choice on jobsites across Asia and elsewhere because of the efficiencies they offer when working alongside other tower cranes. The Originally, the crane was available in three MCT 565 has demonstrated this through capacities; 20, 25 and 32 t. Now, Manitowoc its exceptional lifting performance on a range of projects," said Brian Wang, sen-M32, capable of working with shorter jibs and ior vice president of Emerging Markets for counter-jibs, but with higher lift capacities Manitowoc. "We've also seen the emergence and the first units have already been sold to of these cranes spawn new ways of working in Emerging Markets. Through our Voice of According to Manitowoc, the crane's the Customer process, we saw an opporperformance characteristics have helped tunity to add increased appeal to the range. contractors in their drive to lift large precast By introducing the compact MCT 565 A, we concrete sections and other heavy items used are now offering greater choice in this class. The new model is positioned alongside the In addition to the 32 t version, the Potain existing three MCT 565 options, allowing MCT 565 A is now available with a shorter customers to choose the right crane for their specific job."

The MCT 565 A can be rigged with a minminimum required for the existing versions.

"Topless cranes are an increasingly popular The counter-jib too can be shorter, with just Wang. "Others like the impressive reach of 15 m needed on the MCT 565 A while still the 80 m jib with the regular versions and allowing the crane to work with up to 35 m the flexibility that brings. Our Voice of the of jib. Ultimately, this gives customers the ability to position these powerful topless cranes into tight working locations and lift

> Furthermore, this compact footprint enables the crane's working area to be reduced significantly, while the load curve is also **Familiar features** increased in the shorter configuration. For example, while the original MCT 565 M32 can lift 19.7 t at the end of its shortest-available jib (30 m), the MCT 565 A will lift 22.5 t at that distance. Also, it can also handle an impressive 28.4 t at 25 m. The capacity advantage continues up to jib lengths of 45 m, where the MCT 565 A offers a 14.2 t capacity—an increase of 1.1 t over the MCT 565 M32.

"For customers who want to use the MCT where several cranes operate within close imum of 25 m of jib—5 m less than the 30 m 565 in shorter jib configurations this new MCT 565 A is a great option," explained factory in France. ■

Customer process is designed to ensure we have the right cranes to meet customer needs - across the spectrum. Which is why this MCT 565 A is such an intelligent addition to our line-up."

Other than certain jib sections and a portion of the counter-jib, the MCT 565 A has features and benefits that will be familiar to owners of the regular MCT 565 models. For example, it uses the same C mast sections to deliver a maximum height under hook of 74.2 m, while assembly time is listed as only two days (for normal site conditions). Also, there is a choice of two winches: the 150 LVFC 80 FS, which is built at the Zhangjiagang factory, or the 150 HPL 80 from the Potain



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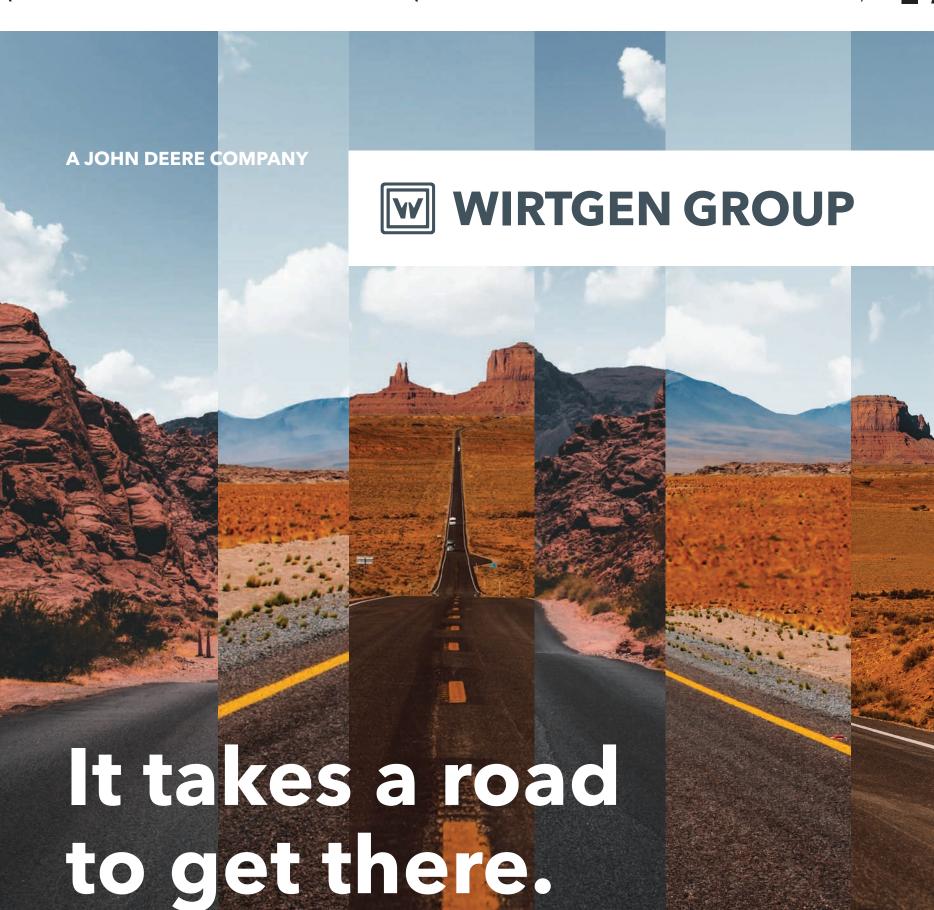
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(L to R) Mark Osborne, owner of Osborne Construction and Excavation Ltd. with Colin Imrie, sales specialist, Bobcat of Tri Cities on one of his current jobsites with his fleet of Bobcat machines, a T770 & 2x T590 compact track loaders and E42, E50 & E60 compact excavators.

Mark Osborne is a carpenter by trade, with a mechanical background and also a math whiz. Mark will be the first to tell you that starting his own business, Osborne Construction and Excavation Ltd at the age of 22, was extremely hard in the beginning. Mark's words "People will doubt what you're capable of", but after the first two to three years of extreme perseverance, we started to finally see the success we had created. Endless hours of building a name on social media, building a strong relationship with good contractors and suppliers. This all led to getting one of the biggest contracts we have received. In 2021 we were awarded a large project at none other than our own local airport, the Waterloo International Airport. Using the best equipment in the game, this all led to the project going perfectly, impressing everyone with what we did there. Our growth, and talents of what we can do, spoke for themselves," stated Mark. Osborne Construction specializes in excavating, septics, and custom homes/renovations in the Tri-Cities area.

Mark needed to add two Bobcat® machines to increase his fleet of Bobcat machines to six when he started the Waterloo airport excavating job. When asked why Mark chose Bobcat machines, his answer was "being young, I am all about innovation and finding the quickest way to do things in the best way possible. The Bobcat brand is the same. They are always reliable, always increasing power, have great viability and they are always upgrading and innovating new features and machines. But at the end of the day,

customer service is what matters most. I first met Colin Imrie, sales specialist for Bobcat of Tri Cities at the store and have become friends ever since. Colin makes me money. My first buy was a Bobcat compactor excavator, and they are what makes you the money. Colin also teaches my operators how to maintain and operate the machines. Bobcat of Tri Cities has been exceptional to work with. They know all the parts and serial #'s and get them for us right away.

One of the other reasons I specifically bought Bobcat machines is with the different setups that can be done on the same sized machine. We have two T590 compact track loaders, but they both have different functions. Our one with larger tracks has a much lighter footprint and allows it to float over the septic beds without harming it. We also use the Bobcat T590 compact track loaders for grading, moving fill material, and with the right Bobcat set up can use it like a bulldozer, too." Mark's favourite attachment from Bobcat's is their frost ripper. He was saying he thinks everyone should have a Bobcat ripper for your mini excavator. "It rips through the frozen ground, roots/ stumps, and old concrete pads. We have one with every excavator we buy."

Mark had some great advice for young entrepreneurs looking to start their businesses. "First, have good credit. I was 25 and got funded for \$300,000.00 for more equipment with very little hassle. If you just started, pay that first machine down, they will see good payments and it makes

it easier to buy the next ones. The biggest word of advice is to track what you are doing. We learned very quickly how to have a high success rate after we continued to track everything that went on in the business. Once we got that down we could see our mistakes and make the corrections to them quickly. Next, don't be afraid to ask for your money, and most of all don't lowball yourself. Another great note: when you start growing and adding operators, train your employees to be master operators and treat them well. My operators love to operate Bobcat machines and do not like operating anything else now. They get the top-of-the-line equipment to help them create the top-of-the-line results. The trickiest but my favourite, organization. We get a lot of jobs because of this. We have everything on fully digit platforms allowing every worker to have access to endless information about each project so that when our guys show up on a job, they can look up every plan/document, and everything that is to be done on their phone. Always giving the customers that extra reach. We even have cardholders in our Bobcat machines so when someone shows up on a job site, the operator can hand out my card.

To wrap this up, your success will come from getting the best machines. Even if it's one at a time. Don't settle. That's why I chose Bobcat machines and I'd be happy to recommend Colin Imrie and Bobcat of Tri Cities."

Thanks Mark.

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# COMPACT EQUIPMENT



# Hitachi introduces two excavators to its compact equipment lineup

Hitachi Construction Machinfeatures condensed into a compact profile.

#### The ZX26U-5N

the 4 ft, 11 in-wide (1.5 m) ZX26U-5N is made for working in the most confined spaces.

An operating weight of 5,560 lb (2,520 kg) makes it easy to transport with convenient tie-down holes work almost anywhere.

According to Hitachi, this machine excels in landscaping, renovation, trenching, backfilling, drilling and demolition applications is an efficient package when paired where space is at a premium, as well as in sensitive ground conditions which delivers more power and where low ground pressure provides consumes less fuel. an advantage.

Despite its compact size, the ZX26U-5N offers plenty of height and reach to get up and over truck fers a choice of a four-pillar canopy sideboards with a maximum reach of 15 ft, 2 in (4.63 m). Also, it provides a maximum dig depth of 8 ft, entryway and swing boom and fold-6 in (2.59m). An integrated dozer blade adds versatility, allowing the excavator to backfill or grade.

Full hydraulic pilot controls for the attachments, boom, swing, travel adjustable armrest adds to the operand blade maximize controllability.

To suit operator preference and announced the arrival of two it so that control patterns can be ZX50U-5N, a machine with full-size a compartment beneath the seat.

Furthermore, the ability to efficiently run multiple attachments enhances the versatility of the ZX26U-5N. A one-way/two-way se-With its reduced tail-swing design, lector valve accommodates breaker and grapple attachments with extra sign, the compact 10,560 lb (4,790 plumbing installed on the stick. An auxiliary function lever (AFL) is available with analog and trigger switches areas where full-sized power is and a horn for running attachments such as a breaker or an attachment on the side frame and blade. An with swing. Also, a v-shaped boom an independent swing boom and independent swing boom and 360° cylinder guard and hose protector rotation allow it to be set up and have been integrated for durability.

Fuel efficiency is enhanced with Also, clear visibility and precise a Tier 4 Final compliant, direct-incontrol lead to efficient use when jected Yanmar engine that produces remaining impressively quiet. The engine provides a high torque level for more pull-through power. This with the Hitachi hydraulic system,

#### Operator's station

The operator station has a wide able travel pedals. An easy entrance floor lowers the distance you must lift your leg during entry.

Also, a seat with suspension and ator's comfort level.

According to Hitachi, in enginery Americas Inc. (HCMA) has increase productivity, Hitachi made eering this machine, the company wanted to create an atmosphere new compact excavators; the quickly switched from backhoe that was spacious, despite its ZX26U-5N, a machine built for pre- to excavator-style controls with a overall compact build. So, the cab cise work in tight spaces, and the control-pattern selector located in option has been widened and incorporates a larger door and an enlarged windshield for better visibility.

#### The ZX50U-5N

With its reduced tail-swing dekg) ZX50U-5N has been designed by Hitachi for work in congested desired.

Like the ZX26U-5N, it features 360° rotation.

According to Hitachi, the ZX50U-5N is a smart choice for trenching, excavating, loading trucks.

It offers plenty of height and excavating around existing utilities. 20 net horsepower (14.9 kW) while reach to get up and over truck sideboards with a maximum reach of 19 ft 7 in (5.96 m). Also, it provides a maximum dig depth of 11 ft 7 in (3.53m).

A backfill blade allows the excavator to fill or grade while an optional all-hydraulic blade angles 25° left or right.

A standard quick-coupler-With the ZX26U-5N, Hitachi of equipped, boom-mounted auxiliary line makes for quick attachment hookup. Also, like the ZX26U-5N, an auxiliary function lever (AFL) is available with an analog and trigger switch and horn.

> The ZX50U-5N allows the engine speed to be matched to the job with power/economy work modes, which are usually only available on larger excavator models.



The power mode provides higher that allows the operator plenty of engine speeds for most general foot room. digging work, while the economy mode reduces engine speed for in lower noise and decreased fuel consumption.

Additionally, the excavator uses the Hitachi Triple H (HHH) hydraulic system, which enables combined operations by adjusting the optimal flow rate for all actuators. This gives the operator the freedom to provide simultaneous control inputs with no impact on machine performance.

A Tier 4 Final compliant, direct-injected Yanmar engine produces 36.3 net horsepower (27.1 kW) while remaining fuel efficient and quiet. The engine provides a high torque level for more pull-through power.

#### Operator's station

The ZX50U-5N features a spacious operator station with a wide entryway. Swing boom and foldable travel pedals are positioned in a way

Ergonomic short-throw hydraulic pilot control levers provide smooth, lighter digging jobs. This results predictable low-effort fingertip operation to reduce operator fatigue. To suit operator preference and increase productivity, control patterns can be quickly switched from backhoe- to excavator-style controls with a control-pattern selector located in a compartment beneath the seat.

> An enhanced 3.5-inch (88.9mm) LCD monitor keeps the operator informed of vital information while allowing fingertip control of several functions, including auto-shutdown and power/economy modes.

> Comfort inside the cab has been maximized with an automatic, high velocity, bi-level climate-control system with automotive-style adjustable louvers to help keep the glass clear.



# **Doosan ships first DD100 dozer to North America, teases 13-tonne model**

Hyundai Doosan Infracore the third quarter. Also, the first to be produced through (HDI) has officially shipped company hopes that with the the first DD100 dozer to launch of this dozer, it will be North America. This 9-tonne able to synergize it with its dozer is specifically targeted existing excavator and wheel at the North American loader models.

additional pilot machines ment of the new Doosan and shipped them to North dozers," says Mr. Edward America for various performance tests, sales, marketing core North America. "Our and service training.

According to the company, the mass production of the the arrival of the new Doosan DD100 will begin sometime in June and the model will launch in North America in

"This is the next significant HDI also produced two milestone in the develop-Song, CEO of Doosan Infra-North American dealers and their customers are eager for dozers. We look forward to launching the new line of construction equipment later this year."

This dozer model was the

the collaboration of various departments at HDI, including development analysis, market research, competitive benchmarking, validation and pilot vehicle assembly. In addition, purchasing and quality teams investigated parts supply while production teams completed the first production dozer model.

Also, HDI claims that it has plans for its 13-tonne dozer, the Doosan DD130, and will be shipping a pilot machine later this year. The company plans to start production, possibly as early as February 2023.





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#### **Evolution Wheel looks to change** the game with latest hard-surface skid steer tire

Evolution Wheel's latest development, the EWRS-HS-series solid skid steer tire is the hard surface version of its EWRS-AT series all-terrain tire.

The solid EWRS-HS skid steer tire is ideal for surfaces like concrete or asphalt making them perfect for new construction, paving and recycling operations.

According to the company, it set out to tackle these types of jobs and environments, engineering the EWRS-HSseries with traction and longevity in mind.

In spending lots of time researching and developing stage the product, the company performed rigorous testing to make sure it was producing the right tires for the job.

To start, Evolution Wheel engineered the EWRS-HS series for severe duty applications where tire wear is the biggest concern. To do this they redesigned the tread pattern to maximize surface area.

The EWRS-HS doubled the surface area of the EWRS-AT Series to 66% to spread the weight of the machine out. This lowers the pressure per square inch on the concrete while extending its wear life significantly.

Additionally, the EWRS-HS series has the deepest tread on the market, measuring at 52/32". The deeper the tread, the more it can wear, increasing longevity as well. These two features allow the tire to last 3 to 5 times the lifespan of a traditional pneumatic tire.

Solid tires have a bad reputation for being rough on machines and the operator driving them. Evolution Wheel wanted to reduce driver fatigue and make it easier for operators to perform their jobs while enjoying a smooth

To combat this, the company designed the EWRS-HS tire with specialized core geometry. Referring to the apertures within the rubber, the specialized core geometry in these tires allows them to compress like a pneumatic tire without the bounce. The tread design also allows the machine to skid smoothly so the operator can push the machine harder and increase productivity.

Like all Evolution Wheels tires, the EWRS-HS is a segmented tire. This allows the operator to service the tire right on the job site with just a ¾" wrench, replacing the damaged segment within minutes.

### **LOOKING BACK AT COMPACT EQUIPMENT**



By HCEA Canada



LeTourneau Model D4 method, which confounded missions and generators to Tournapull scraper that was developed by the US Military for use in the Second World

Dubbed the 'Flying Scraper,' this 2 yd3 (1.53 m3) unit was powered by a 34 kW (45 hp) four-cylinder Continental gas engine coupled with an off-the-shelf Borg & Warner four-speed transmission.

war, the Military realized the need for a lightweight, overseas.

Engineered to be transported by the U.S. C-47 D Dakota transport military aircraft, over 600 units were produced

Steering an Airborne scrap-

Pictured here is a mid-1940s popular 'clutch and brake' many an army private turned

> Note that the unit pictured here has had its steering modified by use of hydraulic cylinders during restoration.

International TD 6 crawler day, October 15th, 2022 at the 'pusher' was part of an HCEA Simcoe County Museum near Canada event during the Barrie, Ontario. Please check 2010 International Plowing the HCEA Canada website for In the early years of the Match held near St. Thomas, updates: www.hceacanada. Ontario.

Fortunately, long-time compact unit that could be HCEA Canada members, restored pieces of vintage air-lifted and deployed in- Bob & Doug Davis, also have construction equipment itially in runway construction an Airborne scraper in ex- in action be sure to attend cellent operating condition HCEA Canada's other events, that they demonstrate during including 'Wheels & Tracks in event days held at the Simcoe Motion,' which will be held County Museum.

by LeTourneau by war's end. have two LeTourneau D-Pull an institution of which HCEA scrapers from the early 1950s Canada is a proud Heritage er was accomplished by the that are powered by GM 4-71 Partner.

diesel engines, manual transsupply all scraper functions electrically, including the steering.

The Historical Construction Equipment Association's (HCEA Canada) 'Last Blast' This Airborne scraper and event is being held on Satur-

Also, to see more than 60 in June; also at the Simcoe In fact, the Davis brothers County Museum near Barrie,









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## Bobcat's electric compact equipment lineup gets first public showcase

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showcased its battery pow- Granada Hills and in Stock- pact excavators, the E32e and ered construction equip- ton, California. This tour E10e. The company is pro-

and private fleets.

Attending the events were ment lineup at a series of test featured the Bobcat T7X moting these new models as leaders from California's Air drive and live demonstration all-electric compact track viable alternatives to diesel Resources Board, City of Los

public organizations, as well as Sunbelt Rentals, Bobcat dealers and construction contractors. Attendees had the opportunity to test drive the machines, participate in live demonstrations and meet

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Hitachi ZX470 also available.

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KUBOTA - 5T or 8T available - multiple



hyd., multple attachments available.



CAT D5K LGP - grade control, A/C, 6 way blade.



CAT 980/972 - Avail., for long term rent. Auto



CAT 330 - Next Gen, Q/C, various buckets



84" PADFOOT ROLLER - enclosed cab, 66"

2018 KUBOTA KX080 - one owner, cab, A/C, blade, new rubber pads, approx. 2,400



KUBOTA SVL65 - Bucket & forks available. SVL75 also available.



**BUCKETS** - brand new and used for most classes. Hammers also available.



Bobcat Company recently events near Los Angeles in loader and two electric comequipment for government Angeles, Port of Los Angeles, 2022 CES Innovation Awards Stanislaus County and other in the Categories of Vehicle with the innovators behind the

electric equipment. "These electric, off-road construction machines are a promising step in our aim to increase access to clean offroad equipment that produces near-zero emissions in California," said William Robertson, Ph.D., vehicle program specialist with the Mobile Source Control Division at California Air Resources Board. "The commercialization of cleaner off-road technologies shown at these events are exciting examples supporting the state's transition to a clean energy economy."

Bobcat claims to be the first company to commercialize a dedicated all-electric construction machine within the compact range.

Also, Sunbelt Rentals is the first company to invest in a large fleet of Bobcat T7X loaders, as well as electric compact excavators. According to Bobcat, this equipment is scheduled to be delivered and available for rent by Sunbelt Rental customers in California and at other U.S. locations starting in July.

"We are thrilled to showcase these machines and demonstrate how off-road the next frontier in electric output. vehicles. They are designed to deliver a smaller carbon footprint and a quieter jobsite experience but can also outperform their diesel machine counterparts" said Joel Honeyman, vice president of global innovation at Bobcat. "These machines offer zero-emissions and clean solutions that meet today's growing regulations, as well as the high standards of government and construction customers in a variety of applications."

The Bobcat T7X, an all-electric compact track loader, is the first machine of its kind to eliminate all hydraulic components and emissions, and reduce vibration. Debuted at the Consumer Electronics Show (CES) in Las Vegas in January, the T7X received two

Intelligence & Transportation and Smart Cities. This was the first time the public was invited to experience the T7X since the launch of the machine at CES.

The traditional hydraulic work group has been replaced with an electrical drive system consisting of electric cylinders and electric drive motors, eliminating the need of almost all fluids. The new all-electric T7X uses less than one gallon of eco-friendly coolant compared to 57 gallons of fluid in its diesel/hydraulic counterpart.

"The T7X compact track loader and our electric excavator lineup are technological feats for Bobcat and the industry," said Honeyman. "We continually receive positive comments from operators who drive these EV machines. They are excited about the exceptional power, response time and performance that matches or exceeds the diesel machines they are accustomed to operating but with no emissions.

With a compact footprint, quiet operation and zero emissions, the new E32e and E10e battery-powered compact excavators operate with performance that Bobcat claims equals or exceeds diesel-powered machines. Furthermore, the electrical motors deliver full torque, regardless of rpm, providing smooth hydraulic control and on-demand multifunctioning performance with construction equipment is no noticeable drop in power

> Powered by lithium-ion batteries and producing zero emissions, the T7X and electric compact excavators support environmentally sensitive worksites. They allow users to operate inside structures where diesel exhaust is restricted. Also, they emit significantly lower noise levels and less vibration, which can improve jobsite communication and safety and facilitate work in noise-sensitive areas.

> According to Bobcat, its electric machines will deliver up to four hours of active work per charge, depending on usage and application. Furthermore, the company claims that while applications vary, each charge is able to support common daily work operations.



JUNE 20, 2022 EJ







## Steelwrist launches new XO2 tiltrotator for excavators up to 2.5 tonnes

complete range of work tools that look to increase efficiency and versatility by converting the smallest excavators into true tool safety to support CE requirements. tool carriers.

#### **Design and maintenance**

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novative design solutions and comes with focus with X02 has been to make a fully

small excavators, according to Steelwrist, connection to the excavator. The coupler ratio and low building height. is starting to grow. In response, the com-side (bottom) of the tiltrotator is available pany is now introducing the new X02, in a mechanical locking version as well a tiltrotator suitable for 1.5-2.5 tonne as hydraulic locking for S30. According to excavators. The X02 is accompanied by a Steelwrist, the hydraulic lock version with the integrated front pin hook is probably the lifting eye or lifting hook. only tiltrotator in this class that has work

The X02 is positioned between the below 2 tonnes and the X04 tiltrotator for The X02 tiltrotator has a number of in- excavators from 2,5 to 4 tonnes. Again the

The installation ratio for tiltrotators on either a Direct Fit or an S30 top for the casted product with best strength-weight do work in a wide range of applications.

Other design solutions being introduced with the X02 include a new gearbox design, lubrication-free bearings, valve and control X02, which serves as a general purpose module protection and an optional bolt-on construction and log grapple.

#### **Optimized range of work tools**

With a complete set of Steelwrist S30 work smallest TCX tilt coupler for machines tools for the X02 tiltrotator, such as grading, digging, cable/trenching and v-ditch bucket says Stefan Stockhaus, CEO of Steelwrist and asphalt cutter and ripper, the excavator AB. ■ turns into a versatile tool carrier that can

According to Steelwrist, in autumn of 2022, the company plans to add the new Multi Grapple to the work tool offering for the

"With the launch of the X02 we finally complete the tiltrotator range for excavators below 2.5 tonnes. The X02 is a fantastic combination of innovation and robustness which customers have been waiting for,"

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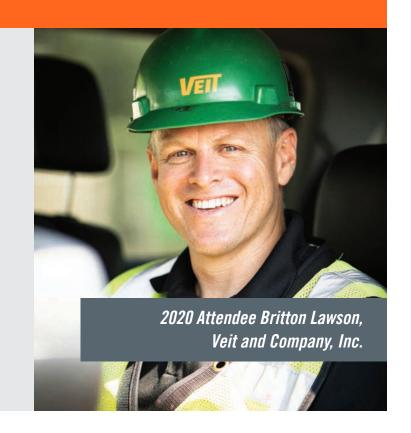




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JUNE 20, 2022 **3** 





## Terex Utilities debuts industry's first all-electric bucket truck

Terex Utilities has unveiled the Optima Coming to America 55 eMV, the industry's first electric bucket truck on a Class 6/7 medium-duty chassis.

The truck made its debut in early June at the Electric Utility Fleet Managers Conference, held in Williamsburg, Virginia.

During this conference, the company also announced the first nine customers receive the new 55 ft electric Terex Optima aerial devices.

#### **Accelerating electrification**

Terex has taken its Optima 55 ft aerial device, powered by the HyPowerTM Smart-PTO by Viatec, and made it available on an International eMV Series battery electric Xcel Energy committing to the first." 33,000 GVW chassis, from Navistar.

ahead of industry projections," said Joe solution now to help meet their electrification and sustainability goals. Many utilities have sustainability goals with 50% electric achievement by 2025 and 100% electric by 2030. This solution can accelerate plans for our customers by 2050." electrification of their fleets."

on the International eMV Series, is a 60 ft working height aerial that can be used for electric distribution line work. It has a 135-mile driving range and the ability to operate the bucket for a full workday on a single charge.

"We have been working on green solutions for more than a decade," said Caywood. "During that time, we have learned what works and what doesn't. It's exciting to see these investments come to fruition with an all-electric bucket truck that is robust future, and we proudly support Terex in their and designed to meet the specific needs of utility applications."

Terex Utilities has announced the first nine customers who will receive these new Terex Optima 55 ft aerial devices, powered by the HyPowerTM SmartPTO by Viatec and mounted on an International Class 6/7 Medium Duty electric chassis.

"Xcel Energy, which provides power to from across the US and Canada that will millions of homes and businesses across eight Western and Midwestern states, will take delivery of the first unit later this month," said Joe Caywood, Director of Marketing and Product Management. "Many utilities are anxious to jump start their progress toward achieving sustainable fleets. The response from the market has been immediate, with

"Xcel Energy was one of the first energy "By combining SmartPTO technology companies to put forward a bold vision to with the International electric chassis, Terex electrify all its light-duty vehicles and 30% Utilities was able to bring this bucket truck of its medium and heavy-duty fleet by 2030," solution to the electric utilities two years said Sangram Bhosale, Vice President of Supply Chain at Xcel Energy. "We are thrilled Caywood, director of marketing at Terex to partner with Terex-International in oper-Utilities. "We are giving electric utilities a ating the first all-electric bucket truck in the United States and continuing to deliver on Xcel Energy's industry-leading fleet electrification goals, which are a companion to our vision of providing 100% carbon-free electricity to

"By combining SmartPTO technology with The Terex Optima 55 ft aerial, mounted the International eMV Series electric chassis from Navistar, Terex Utilities was able to bring this electric bucket truck to customers two years ahead of industry projections," said

> With a 135-mile (217 km) driving range and the ability to operate the bucket for a full workday on a single charge, the electric Terex Optima 55 with the International eMV Series truck is ideal for electric distribution line work, while making zero emissions at job site a reality.

> "Navistar is committed to a zero-emission leadership of electric vehicle adoption," said Debbie Shust, Vice President, Medium Duty





Truck Business, Navistar. "This partnership demonstrates the success of collaboration and technology integration to provide electric utility fleets a solution offering the highest level of expected performance while also helping customers meet their own established sustainability goals."

Nine utility organizations of all sizes, representing investor-owned and municipal utilities, from across the US and Canada, made early

commitments with orders prior to the Electric Utility Fleet Managers Conference.

Receiving units, along with Xcel Energy, will be Oncor Electric Company, Central Hudson Gas & Electric, CenterPoint Energy, PNM Resources, Los Angeles Department of Water and Power, Con Edison, San Diego Gas & Electric, and SaskPower.

According to Terex Utilities, the first 10 units will be delivered in 2022. ■







## Hydro One restores power to over 650,000 customers following devastating storm

resources from out-of-province utilities and contract-

power workers, including to more than 652,000 customers affected by the devastating storm that ripped through Ontario on May 21st.

Crews worked tirelessly through the widespread and significant damage to make repairs, rebuild local electricity infrastructure and restore power to the more than 61,000 Hydro One customers who are still without power.

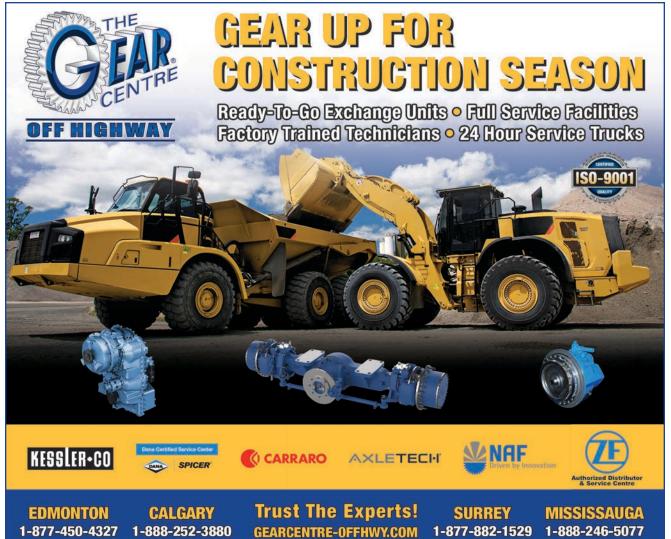
Due to the severity of rural, remote and island locations were without power for multiple weeks following the storm.

Hydro One has seen a record 1,900 broken poles and the company is working closely with its suppliers to ensure crews have the necessary materials to make could be made to power repairs.

"We also want to thank numbers of customers.

A team of more than 3,200 ors, have restored power our suppliers who continue to ensure that our crews have the materials they need to rebuild the grid and get the lights back on in communities across the province, including Stella Jones, an Ontario supplier who is transporting hundreds of electricity poles across the province," said Jason Fitzsimmons, chief Customer care and corporate affairs officer at Hydro

> According to the comdamage, some customers in pany, when rebuilding after a storm, it had to prioritize restoration to bring power back to the greatest number of customers in the shortest period of time. Crews needed to repair and rebuild main power lines along with other key pieces of infrastructure before repairs lines that serve smaller









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## **A Powerful Anchoring Combination**

A guide to maximizing safety and efficiency for utility anchoring

Little Beaver

Utility anchoring crews have a constant drive to do more in the safest possible way, which is easier said than done. To accomplish this goal, anchoring crews must look beyond the standard way of doing things to labor. That's why it's importsee what can be changed and improved. With the advancements in drilling technology, it's possible to options for efficiency.

By Joe Haynes, president of find an anchoring tool that anchoring crew.

#### Start with safety

Although anchoring crews don't work with high voltage wires, potential for injury always exists with manual ant to look at what will be safest for the anchoring crew before considering different



Utility anchoring tools maximizes productivity have come a long way since while also being safer for the their development. For example, manually installing drive rods was originally the go-to option for anchoring crews. Although this can get the job done, the physical toll of manually hammering rods into place can increase the risk of injury and hinder productivity due to worker fatigue. Drive rods are still used in some situations, but as technology has continued to advance, hand-held drills have taken the spotlight. the other is usually unable that improve safety while Hand-held drills have been around for a while, but different advancements have introduced safety features that can help differentiate a good drill from a bad one.

> Some hand-held drills are known as "anchor crankers" and have a chainsaw-like engine with a high-speed rotary that includes large handles for two crew members to operate. These anchoring tools are much more because of their increased into the ground. However, minute (rpm) and torque, anchor crankers come with one operator loses their grip, ments have provided options



to maintain control—especially if the anchor hits an underground object. If **Easy solutions** both operators let go, the machine's torque instantly machine in the ground to handles above the ground. These free-spinning metal to strike operators, resulting in injuries.

With methods like this, efficient than drive rods it's clear that a different anchoring solution could speed and power to drill be beneficial for long-term success. After all, a healthy with high revolutions per crew is a productive crew, and both time and money can be saved by preventing some risks. For example, if injuries. Further advance-

maintaining efficiency.

An investment in a hydraulic earth drill with a switches from driving the high-torque anchor handle and utility anchor adapter aggressively spinning the is all that's needed to safely install anchors. Hydraulic earth drills offer quieter handles have been known operation and easier maneuvering compared to their gas-powered anchor cranker counterparts. Anchoring with a hydraulic drill reduces strain on the operator's arms and hands by minimizing vibration. In turn, this reduces the potential for worker's comp claims and project delays due to injuries or work time limits.

In addition to limiting the

potential for injury from vibration, hydraulic drills fitted with a torque tube that connect the handle of the drill to the hydraulic power source provide added protection when encountering obstacles. It works by transferring kickback to the power unit if the auger strikes an object or requires additional torque to power through tough soil. By doing this, the vibration bypasses the operator and nearly eliminates the risk of strain or serious injury.

It's worth noting that torque tubes are adjustable in length so operators can adapt the placement of the power unit. This allows

Continued B13...











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Safety

















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**Heavy Equipment Manufacturers** 



































operators to accommodate the ideal anchor location and prevent being limited to just one area.

#### Maximize productivity

Once safety has been addressed, it's time to turn to productivity for maximum ROI. Using an anchoring adapter on a hydraulic drill brings out the best of both worlds with several efficiency features in addition to the safety this combination already provides.

Unlike anchor crankers anchor and require a significant amount of energy and drill fitted with an anchoring adapter installs a utility an-

true one-man operation to jobsite, contractors should stead of having two people facturer. installing the anchor, one of those crew members can The powerful pair take on a different role to to be just as fast and easy, anchor.

example, soil nails can be the bank. physical labor, a hydraulic used in soft soil that's prone to landslides while tieback anchors are a good choice chor in under two minutes. for projects with limited In less than an hour, a crew access, such as retaining can set the anchors for an walls. To learn more about entire pole. Some hydraulic which anchor will maximize drills are also designed with productivity based on the

maximize productivity. In- reach out to a trusted manu-

To meet the needs of complete the project faster anchoring crews, manufacor operate a second drill. turers have designed options Removing the anchor proves that maximize efficiency while keeping safety at top of because the hydraulic drill mind. Contractors can feel simply reverses the anchor confident investing in soluout of the hole. This feature tions like hydraulic drills is beneficial when removing with anchor adapters as an the anchor, but also when opportunity to improve ROI. encountering any kind of Beyond increasing operator obstacle while setting the safety and improving efficiency, this solution offers For even more efficiency contractors the ability to and hand setting, which take while anchoring, make expand their business into up to 30 minutes to set one sure to match the anchor areas like landscaping or to the soil conditions. For fencing, without breaking



## **Pennsylvanian utility consulting firm** expands drone inspection program

Building on the success equipped with sensors for a of its drone surveying and inspection program for the utility industry, RTR Energy LiDAR assignment for a large Solutions is adding LiDAR to their service offerings.

"We've been doing survey and inspection work without LiDAR technology for decades. LiDAR saves time, money, and gives us the ability to review undulations and details we wouldn't be able to capture with terrestrial survey," explains Mike Kunkel, field services integration & survey manager.

RTR's Inspection and Survey team uses decades of field experience to identify and diagnose issues that transmission and distribution companies need to know to keep customer interruption veyor and CAD manager. frequencies at their lowest

Using the most advanced drone technology, mobile apps and remote observance miles of an airport. The team hardware, RTR can ensure is also known for their faster that field issues are identified turnaround times. While most and recorded with the utmost vendors take weeks or months accuracy. RTR currently has to process the data, RTR can three FAA licensed UAV pilots turn around most projects in on staff and a fleet of drones a matter of days.

variety of applications.

"We recently completed a electric utility client in the Northeast. A transmission line installed decades ago needed to be replaced and part of it required being rerouted through a coal mine. In the past, a feasibility study to start a project like this would have involved negotiation, digging through coal, engineering, and planning. By flying over the site with our LiDAR drone, we were able to view and analyze accurate ground imagery and existing ground contours. What would have taken several months was done in less than two weeks," said Bud Miller, sur-

RTR utilizes a proprietary mobile app to record flight data and instantly alert the pilot if the drone is within five







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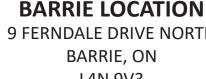
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## **NEW HIRES & APPOINTMENTS IN THE HEAVY EQUIPMENT INDUSTRY**

## Mecalac North America expands sales and service teams

sales and service teams.

"North America has been products bring to the market," said Peter Bigwood, general manager for Mecalac North come on board and more machines are operating throughout the US and Can-North American team."

As part of this growth, Manjoined the sales team, bring-

In response to increased Merlo and Manitou. Mendez tinuing to serve as regional the United States Army Redemand, Mecalac North started his career as a material America has expanded its handling specialist at Linder he will work with dealers Industrial Machinery Company of Plant City, Florida. very receptive to Mecalac His next career move took and recognizes the value our him to Briggs Equipment as a territory manager in Miami for Hyster/Yale and Manitou telehandlers. Next, he worked America. "As more dealers as a regional sales manager/ dealer development manager for Magni telescopic handlers. Most recently, Mendez has also added two new field ada, it's critical to continue served as a sales manager delivering a high level of for Applied Machinery Sales, service and support. Now is which supplies and services the right time to expand our Merlo telescopic handlers to the US.

As Mecalac North for Mecalac's dealer network. uel "Manny" Mendez has America's longest-serving employee, Geoffrey Andrews' ing experience with major role on the sales team is

sales manager for Canada, throughout North America, providing sales training, product training and equipment demonstrations. Andrews, who has been trained by Mecalac's top operators, will be the company's first equipment demonstration operator dedicated to North America.

Mecalac North America service engineers, Joseph Tellier and Vincent Talotta. Their role is to provide on-site technical training and ongoing troubleshooting assistance

Tellier has extensive exrepairing a variety of equipequipment brands, including expanding. Along with con-ment. He spent 11 years in ment and innovative farm

serve, where he held several roles, including heavy mobile equipment repairer and electronics technician. In 2011, he was deployed to Kandahar Air Field in Afghanistan where he was squad leader, wheeled vehicle mechanic and recovery vehicle operator. He also served as motor sergeant in Joseph Tellier Kuwait. Following his military service, he joined Herc technologies from Agrosup Rentals where he started as a Dijon in France. He has construction equipment service technician and worked has held positions focused on his way up to Massachusetts providing technical support Service Manager.

Talotta joins Mecalac North America after working in Mecalac's manufacturing facility perience maintaining and in France. He recently earned a master's degree in manage-



worked as a mechanic and and training.

Mendez, Andrews and Talotta are all bilingual. When needed, Mendez can provide assistance in Spanish while Andrews and Talotta can provide assistance in French.



Manuel "Manny" Mendez

"We're thrilled with the team we've built in North America and continue to look for talented professionals who believe in the Mecalac method," Bigwood said. "The North American market has been very welcoming to us, and we're prepared to offer all the support our dealers and customers need to be successful."

## John Deere announces senior leadership changes

Deere & Company have cing Deere's profitability and announced that its board strategic positioning, develof directors elected Ryan oping future leaders, and has Campbell as president of been an unrelenting advoworldwide construction & cate for driving higher levels forestry and power systems, of commitment to economic succeeding John Stone, and environmental suswho has elected to leave the tainability through Deere's company.

In his new role, Campbell will be leading the Con- and proven leadership skills struction & Forestry team make him highly qualified to increase the adoption of precision technology in earthmoving, forestry and roadbuilding applications, as well as delivering a broad range of electric and hybrid-electric product models - all with a goal to May, Chairman and Chief boost economic value and Executive Officer. sustainability for customers. Campbell will additionally nounced the election of Raj mation officer (CIO) of John who has been appointed as be leading the company's Kalathur as the company's commitment to deliver chieffinancial officer. He will led the team responsible for viable low/no carbon al- retain his present duties for ensuring that John Deere announced today reflect the ternative power solutions John Deere Financial and equipment customers via Deere's Power Systems have continued oversight throughout the world have

Campbell has spearheaded CFO include accounting and leadership, the John Deere initiatives focused on enhan-reporting, treasury, taxes, Financial loan portfolio has egy," said May.

digitalization journey.

"Ryan's record of success to ensure we will make continued progress executing Ryan Campbell our smart industrial strategy and in serving our construction, forestry and power systems customers at the highest level," said John C.

Also, Deere has anfor information technology. Throughout his tenure, His areas of responsibility as financing. Under Kalathur's



internal audit, strategy and business development, sustainability, and investor served as CIO and successfulrelations.

current role, Kalathur was president and chief infor-Deere Financial, where he the chief information officer. ready access to competitive



Raj Kalathur

grown to over \$50 billion.

In addition, Kalathur ly helped lead the company's Prior to assuming his digitalization journey. His CIO responsibilities will now be led by Ganesh Jayaram

> "The leadership changes depth of talent on our senior management team and ensure we will make continued progress executing our smart industrial strat-



Joey Queen, Curtis McCrillis, Rosa Bennett

#### Sakai America welcomes new personnel

America in the newly and what it takes to supcreated manufacturing port dealer service teams." engineer role. Queen has McCrillis comes to Sakai over 20 years in manufac- America from a local heavy turing and tooling with the equipment dealer, where heavy equipment and heavy machine components industries.

"Joey is going to be a huge asset for us on the assembly line," said Kevin McClain, VP of operations at Sakai America. "He has already fine-tuned our processes and is focusing on our assembly teams becoming crease the number of more efficient. We have some big production goals this year, and Joey is going to help us realize those goals."

Curtis McCrillis was recently hired as service manager. "Rosa will be in-

manager for Sakai America. Curtis," said Kendall Phil- with our vendors."

Sakai America has intro- lips, product support duced Joey Queen, Curtis manager. "He is new to as-McCrillis and Rosa Bennett phalt and soil rollers, but he knows heavy equipment, Joey Queen joined Sakai the construction industry he held several service and management positions.

> Also, Rosa Bennett joins the company as Receiving Coordinator where she will work with the inventory control team on in-bound component and parts management.

"As we continue to inmachines we assemble, our inventory management only becomes more important," explained Wes Shepherd, purchasing & materials strumental in helping us "We are excited for our keep our teams stocked with dealers to get to know parts and communicating

## Haver & Boecker Niagara announces new sales manager

Haver & Boecker Niagara has announced Darren Bulow as its certified sales manager for Western regions of the United States, including Southern Nevada, Utah and Wyoming. He brings nine years of industry experience to his new position.

"For nearly a decade, I have lived and breathed heavy equipment, which gives me confidence in my new role," Bulow said. "I'm looking forward to developing close relationships with new and existing

operation and increase overall profits."

Bulow is passionate about ensuring his customers feel heard and valued. As a certified sales manager, Bulow will follow Haver & Boecker Niagara's signature PROcheck program that utilizes diagnostic tools to help producers optimize their aggregates and mining operations with the appropriate equipment and services to increase productivity and profits.

"Darren is a great addition to the Haver customers to help them optimize their & Boecker Niagara team," said Peter Kil-

murray, vice president of sales at Haver & Boecker Niagara's North American and Australian operations. "His experience and deep understanding of the industry help him easily relate to our customers and uncover solutions to enhance their screening processes."

Bulow is certified with MSHA (Mine Safety and Health Administration). He currently lives in Santaquin, Utah with his wife and children.

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