

English Edition
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InfraStructure

CONSTRUCTION • TRAVAUX PUBLICS • RESSOURCES NATURELLES

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A Brief Word...

Well, here we are, the first day of Spring is tantalizingly close, and yet we have an urge to hibernate a little longer. Being as it is February, it is not only Valentines but Heart & Stroke Month, and I would like to use the cardiovascular system as an analogy of our current economic worries.

It has been 60-odd years since the post-war boom began. If you were 30,40,50 or even 60 what would your G.P. be telling you? Diet and Exercise!! Same theory for an aging economic system applies. For Diet insert Consumption, and for exercise insert Trade. Not blind consumption like we have seen, but pragmatic and well balanced consumption. A 'Look before you Leap' approach.

Not eating won't help your heart, not spending won't do the economy any favors either! In fact it will induce SHOCK! Trade works long the same lines, without buying/selling of goods or services between industries and economies, wealth circulation ceases. In human terms – stroke or death.

So where does it all start, is it a 'Chicken/Egg' scenario?

What about reviewing your 3 or 5 year business plan? Did you want to branch out or get into new technologies or services? If you did, what was your plan to achieve this?

I believe a good reliable source of balanced information, such as InfraStructures, makes for a nutritional first course. Then, what about a local, international or specialized trade fair? For instance National Heavy Equipment Show, the World of Asphalt/AGG1 or the NASTT – trenchless technology show. Not only valuable socializing time, but opportunities to discover opportunity!

Research, Review and React and you will find that your business will operate as well as it ever did, it may even gain some definition.



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On the cover: a Holder 4.74 tool carrier plowing sidewalks on Montreal's south shore.

The Holder 4.74 offers a blend of comfort, ruggedness and power that enables its users to face the worst working conditions. A wide range of attachments is available to easily do any task in all seasons.

CANADA'S LARGEST TRUCKING SHOW GOES GREEN IN A BIG WAY!

For the trucking industry, in today's challenging economic times, saving fuel and operating more efficiently can be the difference between staying in business and becoming another statistic. ExpoCam 2009, Canada's national truck show, which takes place at Place Bonaventure in Montreal from April 16th to 18th, will provide fleet owners and managers with a one-stop source of

information on products they need to operate more efficiently. Participating exhibitors in the ExpoCam Green Route feature area will showcase products that promote fuel efficiency and reduce emissions.

ExpoCam is held every two years and will be the largest truck show in Canada in 2009. It is where the decision makers, predominantly from the Quebec trucking industry, come to see and buy. The show places particular emphasis on the impact of new technology

on Canada's trucking industry. On display will be the latest in trucks, trailers, heavy duty parts and accessories, engines and power-train components, service shop equipment and supplies, tires, fuels, financial services, and many other products and services used in the trucking industry. An expected 17,000 industry professionals will meet more than 275 exhibitors from across North America.

"Even in a period of economic upheaval, the Canadian trucking industry recognizes the importance of ExpoCam", said Elizabeth McCullough, show manager.

On all three show days, there will be a series of French-language seminars on subjects with a direct impact on the Quebec trucking industry. Fleet topics will include a technical session on fuel saving strategies and the critical topic of recruiting and retaining employees. For owner-operators, there will be a session on small business management in tough times.

Source: Newcom Business Media Inc.

UPDATED STRATASLOPE SOFTWARE AVAILABLE FOR DOWNLOADING NOW

Strata Systems, Inc. announces an upgrade to their advanced interactive computer software program designed to assist engineers with the design and analysis of geogrid-reinforced steep slopes. Earthen slopes up to 70° from horizontal can be safely designed in accordance with methodologies accepted by the Federal Highway Administration and the U.S. Army Corps of Engineers for a multitude of project applications. The program, named StrataSlope, is now available on Strata's newly redesigned website www.geogrid.com and is recommended for use by experienced geotechnical and civil engineers familiar with the technology of mechanically stabilized earthen structures.

The updated software provides current product material properties thereby offering designers a knowledge stream that ensures their material selection will be accurate, effective and long lasting. "Developing highly advanced soil reinforcement products is a serious undertaking," states Lance Carter P.E., Strata's technical director. "It requires a thorough analysis of countless variables that pertain to manufacturing materials, as well as site specific conditions. Our customers want an effective tool in evaluating the stability of their reinforced soil structures. That's where StrataSlope software fits in. It easily helps designers select the appropriate Strata soil reinforcement product while meeting the



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necessary engineering requirements.”

StrataSlope software considers tie-back and compound stability using log-spiral failure surfaces, direct sliding via conventional two-part wedge mechanism, and deep seated stability analysis utilizing Bishop's Method of Slices. StrataSlope is ideal for reinforced soil slope applications, and is effective for basic global stability evaluation of retaining walls.

Optimized for the design of reinforced slopes, the software accommodates complex geometries with up to three different soil zones (reinforced, retained and foundation), along with inclined toe and top slopes. Additional software elements included are three uniform surcharge areas, options to include pore water pressure, and seismic stability factors. StrataSlope is fully compatible with U.S. or International design standards such as BS 8006.

“At Strata Systems, we have always considered ourselves technology disseminators,” adds Mr. Carter. “That’s precisely why we strive to make the transfer of this knowledge easy and intuitive for our clients.”

First time users of this software are invited to download the system now from the Strata website. All customers who have used StrataSlope previously, are encouraged to download this newly licensed version as it supersedes Strata’s earlier application.

Source: Strata Systems

CYTEC LAUNCHES EBECRYL 891 RESIN FOR UV ON-SITE CONCRETE COATINGS

Cytec Industries Inc. announced recently it has launched the EBECRYL® 891 resin, a UV curable acrylate specifically developed for on-site or field applied applications on concrete flooring.

The new modified polyester acrylate provides a good balance of properties required to protect concrete flooring – viscosity, abrasion resistance, and cure speed.

When formulated with Cytec’s other EBECRYL UV curable resin systems, more specific properties can also be achieved, including toughness, adhesion, and chemical resistance.

On-site or field applied UV coatings is a fast emerging technology capable of helping manufacturing plants, warehouses, and other facilities meet environmental regulations, decrease downtime, and reduce labor and maintenance costs.

It involves formulating UV curable coatings, and using the new generation of on-site UV curing equipment to apply single or multiple

coats which cure instantly, and allow coated surfaces to be put back in service immediately.

The EBECRYL 891 resin was developed at Cytec’s Field Applied Lab, a state-of-the-art laboratory in Smyrna, GA, where scientists are currently working on UV curable solutions for all hard flooring substrates, including wood, vinyl, concrete and tile flooring.

Source: Cytec Industries Inc.

RES CANADA AND ONTARIO POWER AUTHORITY ANNOUNCE WIND PROJECTS

Renewable Energy Systems Canada (RES Canada), an affiliate of RES Americas, both leaders in the development and construction of wind power projects, and the Ontario Power Authority (OPA), announced development and construction of the Talbot and Greenwich Wind Farms. Together these projects will produce enough clean electricity to power approximately 52 000 average



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Canadian homes, generate roughly 600 construction jobs and 16 operations jobs, provide more than \$350 000 a year in local taxes and invest locally more than \$85 million in capital expenditure and \$13 million yearly in operating expenses.

The Talbot Wind Farm project, to be constructed in the Municipality of Chatham-Kent, while the Greenwich Wind Farm project is located in the Municipality of Dorion and the Unorganized Territory of Spruce Current.

Source: RES Canada,
Renewable Energy Systems Canada Inc.

LEADERS IN GREEN HOME BUILDING HONORED AT 2008 ENERQUALITY AWARDS OF EXCELLENCE

Building professionals from across Ontario gathered to honor the best in sustainable and energy efficient homebuilding at the EnerQuality Corporation 2008 Awards of Excellence presentations.

"We witnessed tremendous growth and participation in green building in 2008 and the strong nominations reflect the tremendous leadership we have seen in this industry, offered Corey McBurney, president of EnerQuality. "Despite entering challenging business conditions, builders continue to focus on innovation in energy efficiency, and leadership in creating sustainable housing. These builders, together with more knowledgeable consumers who recognize the value of energy efficiency and quality construction, are transforming the market in exciting ways."

Commitment, leadership, advocacy and innovation were all recognized in award categories that included the introduction of EnerQuality's Green Builder of the Year award, and continued with Best Green Sales Team, Industry Partner of the Year, Leader of the Year and EnerQuality's Builder of the Year for building programs including ENERGY STAR® for New Homes, EnerGuide Rating Service, R-2000.

Among the recipients were Enbridge Gas Distribution, for their outstanding commitment

to supporting builders as they strive to build more energy efficient and greener homes, and Reid's Heritage Homes took home a trophy for demonstrating a superior mix of sales performance with consumer education and awareness.

Oshawa's Durham Custom Homes won the first ever GreenHouse Builder of the Year in recognition of their organizational commit-

ment to building sustainable new homes, and their advocacy and awareness work for the new house certification program launched by EnerQuality in September.

The Green Builder of the Year went to Empire Communities in the GTA, recognizing their outstanding commitment that included ENERGY STAR for New Homes, LEED for Homes and the Archetype Sustainable

Allison Automatics Provide Superior Fuel Efficiency

Recent test results show fully automatic Allison transmissions, along with a vehicle spec that is appropriate for the particular duty cycle, can provide superior fuel efficiency and optimum fuel economy.

According to Lou Gilbert, director, North American Marketing, Allison Transmission, "A truck's duty cycle can be broken into four components: acceleration, cruise speeds, deceleration and idle. Of these, acceleration and cruising are the main factors impacting fuel consumption."

During acceleration, an Allison Automatic provides smooth, seamless full-power shifts to put engine power to the ground in the most fuel-efficient way. Manual and automated manual transmissions interrupt engine power every time a shift is made. According to Gilbert, recent data log analysis of two North American P&D fleets shows an average of over 600 upshifts during an eight-hour timeframe.

"Any interruption in engine power during a shift creates powertrain inefficiencies, loss of vehicle energy, lower average speeds and, ultimately, less work is accomplished with the fuel consumed," according to Steve Spurlin, executive director, 3000/4000 Series Transmissions and Application Engineering, Allison Transmission.

This is in-line with how the U.S. Environmental Protection Agency (EPA), as part of its SmartWay Program, is formulating a test protocol proposal to measure the fuel efficiency of medium- and heavy-duty commercial vehicles for the first time. According to industry reports, the EPA's fuel consumption metric for this test would be fuel consumed per amount of work performed, which is not the same thing as simply miles-per-gallon (MPG).


The Transportation Research Center (TRC), an independent, third-party test facility located in East Liberty, Ohio, recently completed Fuel Consumption Testing commissioned by Allison. For the test, TRC was provided two equally specified medium-duty trucks; one equipped with an Allison 2200 HS and the other with a comparable automated manual.

When cruising, the most critical component to achieving maximum fuel economy is engine rpm. Operating in the engine's recommended rpm range is the best way to reduce fuel consumption, according to Spurlin. "If a truck is used in town and spends 60% of its time at 60 km/h, it doesn't make sense to spec that truck to cruise at 100 km/h at the engine manufacturer's recommended rpm rating. Fleet managers know how their trucks are used and should write their specs according to that duty cycle."

Part of the test conducted by TRC assessed the transmissions' impact on engine rpm at various cruise speeds. The results show that the Allison-equipped truck produced significantly lower engine rpm versus the automated manual-equipped truck at many cruise speeds below 60 km/h, which resulted in less fuel used. And, in higher cruise speed ranges, the two transmissions produced comparable engine rpms and fuel usage.

While gains made in fuel economy and fuel efficiency are an important factor, they are still just one part of the overall value of any Allison Transmission product. Increased durability, reliability, shift quality, maneuverability and productivity are other benefits found with Allison Automatics. Not to mention reduced maintenance, driver fatigue and driveline stress. Lou Gilbert sums it up like this, "All the factors add up to prove Allison Automatics provide superior life-cycle value."

Source: Allison Transmission, Inc.



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Houses project with BILD at the Kortright Centre in 2008. The award salutes a builder who demonstrates innovation and excellence through labeling, marketing and sales, and engages in advocacy through various certification initiatives.

ENERGY STAR for New Homes saw huge labeling numbers in 2008, which exceeded 4800 homes in Ontario alone. EnerQuality's ENERGY STAR for New Homes Builder of the Year award went to three builders based on production size: Mattamy Homes, Reid's Heritage Homes, and Durham Custom Homes in recognition of their tremendous work in raising awareness and their commitment to labeling homes.

"These winners - and all the finalists and nominees, represent Ontario's best and brightest in sustainable building," remarked Corey McBurney. "Exciting things are happening in this industry, and these people should be very proud of their role and contribution. They're true innovators and leaders."

Source: EnerQuality Corporation

INTERGIS INTRODUCES NEW "KUVA™" GPS WIRELESS ASSET TRACKING DEVICE

Intergis, a leading single-source provider of mobile resource management and logistics technologies, introduced the new Kuva™, a configurable wireless asset tracking device for the construction and homebuilding industries, at the 2009 International Builders' Show (IBS) in Las Vegas from January 20-23.

Kuva™ enables companies to track and protect high net worth assets including heavy equipment, vehicles, loads and cargo shipments using GPS/GSM system technology.

In a 2008 National Home Builders study, construction equipment theft is called "a costly problem", with contractors losing roughly \$5 billion annually in equipment and materials. As unguarded homes go unsold due to the struggling real estate market and hundreds of building projects are halted, tons of equipment will be left vulnerable and easily accessible to thieves.

On assets, Kuva™ is easily attached and immediately provides location, time/date and motion information which it then transmits to a remote server via the GSM/GPRS (General Packet Radio Service) wireless network. Users can track each transmission which appears in a web-based mapping or satellite imagery application, with the exact location of the asset being tracked. The data is integrated into the Intergis system or any number of logistics management technologies.

Unlike many fixed tracking devices that transmit according to pre-determined parameters, Kuva™ features proprietary software that allows users to select reporting frequency for each device. Set to send data in "time-only mode," Kuva™ will transmit at pre-programmed intervals. Kuva™ can also be set to report based on specific events such as movement, no movement, or simply when being polled. Reprogramming the devices remotely or over-the-air (OTA) is easy and efficient and each device can be moved to different vehicles or assets according to need.

Source: Intergis

HEIL GAINS EFFICIENCIES WITH NEW PAINT FACILITY

In an ongoing effort to increase efficiencies and streamline production techniques, Heil Environmental recently unveiled the latest addition to its Fort Payne, Alabama, manufacturing facility. The new paint facility will significantly reduce lead times for Heil refuse collection vehicles, while also reducing the amount of wasted paints and solvents, and the need for the additional application of paint. In addition to the newly constructed Detail & Pre-Delivery Center, an additional

paint production line was added within the existing facility. With these changes, vehicles now come with an enhanced finish that has been designed to better withstand the harsh environments in which they are used.

Heil's paint process is unique among manufacturers of refuse collection vehicles and is similar to systems used by leading commercial truck makers. Once a Heil vehicle body is completely cleaned, pre-treated and sealed, a separate DuPont primer coat of paint is applied and baked, followed by a high-performance polyurethane enamel coat, providing chip resistance and UV protection to defend against color fade and deterioration.

"Heil's new paint facility doubles our capacity to meet growing customer demand, enabling us to more quickly deliver vehicles to meet the specific needs of our customers," explains Randy Brown, Heil's vice president of sales and marketing. "We are also truly excited by our ability to reduce waste, in line with our green initiatives, while simultaneously improving the quality of the finished product."

Source: Heil Environmental

Fuel Treatment Restores Gelled Fuels

AMSOIL has introduced an addition to its premium line of diesel fuel additives. In cold-weather climates, diesel fuel can become gelled and prevent fuel from reaching the engine due to clogged fuel filters. AMSOIL Diesel Recovery is a diesel fuel treatment that liquefies gelled diesel fuel and thaws frozen fuel filters. Naturally forming wax crystals found in diesel fuel are the leading cause of gelled engine components, and AMSOIL Diesel Recovery breaks down these molecules that prevent diesels from starting in cold temperatures.

Formulated with no alcohol, which can degrade components over time, AMSOIL Diesel Recovery is non-corrosive and contains no chemicals that interact with fuel system



components. The new product is safe for repeated treatments.

AMSOIL Diesel Recovery performs well in all commercially available diesel fuels, including ULSD, off-road, and biodiesel. Fuel filters do

not need to be replaced when AMSOIL Diesel Recovery is used, saving downtime for diesel operators. For consumers in cold weather climates, maximized efficiency, performance, and minimal down time are all benefits of this new product.

One 30-oz bottle treats 30 gallons of fuel. Applications include auto/light truck, heavy duty diesels, agricultural equipment, off road equipment and large stationary engines.

Source: AMSOIL

A New Line of Volvo Milling Machines

Volvo Construction Equipment has developed a new class of milling machines for the road development industry with the introduction of the Volvo MT2000 and Volvo MW500. With the addition of these two milling machines to its road machinery product line, Volvo now offers equipment for every phase of roadway construction and rehabilitation, from milling and grading to paving and compaction. The Volvo MT2000 and Volvo MW500 will be available to the North American market in the second quarter of 2009.



for optimal traction and features anti-slip control (ASC) as standard. Volvo's patented Line

rotation of the milling drum.

The 750 mm diameter drum offers a



Manager System works in conjunction with the ASC to allow the operator to maintain a constant speed of operation and direction of travel without being adversely affected by the

maximum cutting depth of 210 mm with a standard cutting width of 500 mm.

Source: Volvo Construction Equipment

INTERMAT

E6 C030

VOLVO MT2000 MILLING MACHINE

The new Volvo MT2000 is a four-track, front-load, half-lane milling machine powered by a 610 hp Tier 3 Cummins engine. With the Volvo MT2000, Volvo brings innovation to milling equipment through exclusive features that increase productivity, serviceability, and overall safety.

The Volvo MT2000 offers three distinct engine and drum cutting speeds selectable from the operator's panel – an industry first. The low-speed selection provides higher torque at a lower engine rpm to power through tough material or deep-cut applications. The high-speed selection is available for maximum travel speed on shallow cutting depths. The standard cutting speed is used to provide maximum horsepower and efficiency at normal cutting depths.

The Volvo MT2000 can run both 2000 mm and 2185 mm wide drums.

VOLVO MW500 MILLING MACHINE

The new Volvo MW500 is a four-wheel, rear-loading, utility-class milling machine that offers a standard cutting width of 500 mm. Because of its compact size and manoeuvrability, ideal applications include patching, joints, trenching and close cutting around street and roadway obstructions.

The four-wheel Volvo MW500 has an extremely tight cutting radius of 200 mm, which is comparable to many three-wheel machines on the market. The right-rear support leg and wheel can be swiveled inboard for flush cutting. The Volvo MW500 offers all-wheel-drive

Intermat Preview

Cummins will introduce the next generation QSL9 engine platform ready to meet EU Stage IIIB and EPA Tier 4 Interim off-highway emissions at Intermat.

The 8,9 l QSL9

will be showcased as a fully integrated air-intake to exhaust aftertreatment system with all Tier 4 technology

enablers designed and manufactured by Cummins. Cleaner, more efficient combustion reduces QSL9 fuel consumption by up to 5%, dependent on rating.

The 8,9 l QSL9 engine effectively replaces the 8,3 l QSC and offers an even more attractive power solution for equipment manufacturers with lower operating costs.

The QSL9 utilizes the same Stage IIIB / Tier 4 emissions architecture as previously announced for the QSB6.7 and QSX engine. An integrated Cummins Particulate Filter replaces the exhaust muffler.

Air intake flow for the Tier 4 QSL9 features a high performance Cummins Direct Flow Stage IIIB air filter by Fleetguard® providing a smaller installation profile than typical engine



air filters, yet retaining the same filtration efficiency.

Source: Cummins Inc.

INTERMAT

H5B M020

The year 2011 will be significant for engine manufacturers and their customers. This is the year when the Stage IIIB and Tier 4i emission legislations for non-road applications come into effect, specifying NO_x levels as low as 2,0 g/kWh. The new engine platform, to be launched at Intermat enables **Scania** customers to prepare well in advance for meeting the new regulations.

With the new engine platform, based on the successful range of modular truck and bus engines, Scania has secured control of all strategic steps in development and performance control. Basic engine development and manufacturing, as well

as the development of engine management, fuel injection and emission control systems are all carried out in-house. This strategic move is motivated by demands and targets



for performance and fuel economy, as well as to secure consistent environmental performance, robustness and convenience of operation.

The new engines retain traditional Scania characteristics like individual cylinder heads, camshaft located high in the block and rear-mounted timing gears. They are available in I5, I6 and V8 configurations, in 9,3 l, 12,7 l and 16,4 l displacements, with power ratings from 275 hp to 700 hp.

Source: Scania

INTERMAT

H5B G020

E7 009

Fordia, a Canadian manufacturing company, specializes in the making and distribution of diamond tools, equipment and accessories for the mineral exploration industry. For over 30 years, they have also been supplying geotechnical tools. As demand increased for this type of service, Fordia saw great potential to expand in the market. They are now inaugurating their first solely geotechnical office – Fordia Europe, in Paris, France.



“Fordia’s desire to offer quality products that really meet geotechnical companies’ needs is real – and the company is taking serious means to get there,” says Emmanuel Baudoux, manager of Fordia Europe. “The opening of our office is a proof that the company is ready to invest to better meet geotechnical demand, and that it has the capacity to adapt. Plus, Fordia Europe’s first year results are absolutely encouraging and are a positive sign that we are heading in the right direction.”

Source: Fordia

INTERMAT

H5A B110

The Can Bus communication protocol, that was originally developed for application in industrial systems, has now developed on many automotive and mobile fields, but on hydraulic drilling rigs it is still almost not existing.

Fraste Spa has applied the Danfoss “PLUS 1” data communication system to

the Fraste MULTIDRILL XL drilling rig making possible the dialogue between the drilling rigs systems with the John Deere diesel engine control unit (ECU).



The system allows the control of hydraulic and mechanical functions giving the user the opportunity of a high customization of the use of the drilling rig, besides the comprehensive monitoring of the various components through a colour graphical display studied by Sauer-Danfoss.

Source: FRASTE

INTERMAT

H5A B019

ALLU designs, manufactures and markets several attachments for wheel loaders and excavators used in the environmental and earthmoving technology fields. Main products are the ALLU Material Processing Attachment and Stabilisation System.

At Intermat, ALLU will have stands in both the outside and inside areas. Demos will run for the duration of the show, so every visitor should have a chance to see the ALLU range in action.

This year Intermat will see the International launch of a new series of attachments from ALLU.



Source: ALLU Finland Ltd

INTERMAT

H5A J086

Poclain Hydraulics completes its range of hydraulic motors for steering wheels with its new MG02 motor.



The compact and lightweight MG02 motor easily integrates into the chassis of industrial vehicles and shortens their turning radius thanks to its significant swivel angle.

Source: Poclain Hydraulics

INTERMAT

H5A F018

Intermat 2009 - Specific Programs for International Visitors

Among the many other new elements at Intermat 2009, this years show will feature personalized programs for international groups from the construction and materials sectors visiting the show.

The show organizers have created the following three very specific programs for international visitors:

- Building Materials Industry Program
- Road Construction Program
- "Prestige" Program (for all sectors)

These complimentary programs are reserved exclusively for international visitors.

More details can be found on Intermat’s website.

During the exhibition there will also be a specific international area reserved for these visitors which will be located in the mini-square in Hall 6 of the show.

Source: Intermat



AUSA's TauruLift T204H Is a Big Hit in Northern Europe

AUSA's telescopic forklift truck, TauruLift T204H, is awakening a great deal of interest in countries in the north of Europe. The response from distributors and customers is a guarantee for heavy penetration in several sectors over the coming months.

The compact all terrain forklift truck with an extendable boom, folding cab and hydro-static transmission, also known as the T204H, is convincing local workers. More specifically,

professionals in search of machines with important advantages that "allow us to be more competitive to be able to keep our head above water during these difficult times" in the words of Josep Soler, AUSA export manager.

The new telescopic forklift truck is captivating due to its small size, load capacity, visibility, easy gear change, and folding cab. Although AUSA is a well-known brand in the sector in Sweden, it is the first time that it is launching a telescopic forklift truck.

Sweden is a country where wheel loaders are widely used. "Due to the features that we are launching now, professionals can carry out similar work, especially in the agricultural sector, at a lower cost and with

greater manoeuvrability", states Josep Soler. In his opinion, the northern market "appreci-

ates top-quality machines and is open to new ideas like this one". It also attaches great importance to the after-sales service and proper distribution, something that fits in with "our company's founding spirit".

Source: AUSA

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Sweden is the country in which the telescopic forklift truck is capturing the interest of many



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New Grade Lasers from Leica Geosystems

From general construction to agricultural applications, the latest series of Rugby Grade Lasers from Leica Geosystems offer users a powerful combination of efficiency, accuracy and flexibility.

"With functionality options that range from on-the-fly remote control operation, high accuracy extended range operation and advanced internal laser leveling technology, this series of lasers is uniquely designed to meet a wide range of applications including the most demanding ones found when coupled with machine control systems", says Dan Dykhuis, director of Construction Product Marketing for Leica Geosystems.

Designed for applications such as land leveling and tiling that require long distance and stable performance over the whole day, the dual grade Rugby 420DG lasers operate from an optional long-range, two-way Remote Control feature that lets users manage all Rugby functions "on-the-fly".

These lasers incorporate a high power visible red laser diode that generates an operating range of up to 1100 m diameter. The Rugby 420DG also includes a laser plane stabilization feature which ensures accurate and repeatable performance from morning until night and an electronic axis alignment feature for easy one-person alignment in the field, improving grade and set up accuracy.

Like the Rugby 420DG lasers, the dual grade 410DG are designed to operate from an optional long-range, two-way Remote Control. With its integrated infrared laser diode, this advanced laser has an operating range up to 800 m that is ideal for general construction and machine control applications.



The Rugby 320SG single grade has a built-in visible red laser diode for an operating range up to 900 m.

The Rugby lasers work with MC200 Depthmaster for excavators, MC1200 for motor graders, and control systems based on Leica CAB laser sensors for dozers, scrapers, box blades, and similar equipment. All Rugby 320SG, 410DG and 420DG lasers offer superior power management for up to 130 hours of continuous operation. In addition to the two years Leica Geosystems standard international warranty, the new Leica Rugby Grade Laser Series is offered with an optional three-year warranty extension.

Source: Leica Geosystems

Silicone Hose Developed for Challenging Applications

Eaton Corporation recently announced a new line of silicone hose products for extreme temperature, high-vibration, and chemically challenging applications. The new silicone hoses are available in sizes and configurations suitable for



use on turbo and charge air coolers, heater circuits, and coolant system connections at temperature from -54°C to +260°C. Silicone provides the mechanical properties and chemical resistance in temperature extremes that traditional elastomers cannot meet.

"Eaton's silicone hose products are available today for turbo and charge air coolers in straight as well as formed and 'hump' hoses not previously available to Eaton customers," said Eaton product manager Donna Giffin. "Typical applications include heavy-duty truck engines, buses, and off-highway construction equipment."

One of the new Eaton aramid-reinforced silicone configurations, series FF908035 and FF90836 is designed to resist fatigue in supercharger applications.

Eaton's new silicone hoses are available in straight lengths of three feet, hot and cold hump sections, charge air cooler (CAC), cold and hot couplings, and hot and cold 45° and 90° elbows.

Source: Eaton Corporation

Electrical Discharge Detector Pen

SKF Maintenance Products, part of the SKF group has launched the SKF Electrical Discharge Detector Pen. It is a handheld instrument innovated by SKF with a patent applied for, which detects the number of electrical discharges in electric motor bearings remotely.

Since the 1990's the use of variable-frequency drives (VFDs) to control AC motors has become very common, as they can save energy. However, the drawback of using VFDs is the fact that electrical motors are more vulnerable to suffer from electrical erosion in the bearings caused by electrical discharge currents. Electrical erosion can cause bearings to fail very prematurely causing motor failure and unplanned downtime.

Until now there has not been an easy cost effective method to detect electrical discharge currents in electric motor bearings. Thanks to the EDD Pen this is now possible. Operating with only two buttons, the EDD Pen allows everybody to detect electrical discharge currents remotely in a safe way. Unlike other traditional methods you can detect the electrical discharge currents directly rather than measuring the effects in later stages when damage has already occurred.

When incorporated into a predictive maintenance program, the EDD Pen can significantly prevent unplanned machine downtime.

Source: SKF Maintenance Products



Roua Elliott Honored as Roofing Industry MVP by the Roofing Industry Alliance for Progress

Stiles Roofing, Inc. employee Roua Elliott was recently recognized by the National Roofing Contractors Association (NRCA) as one of the industry's most valuable players for 2008.

This prestigious recognition is given by the NRCA's Roofing Industry Alliance for Progress which sponsors the Roofing Industry's Most Valuable Player Awards (MVP) program. Elliott was one of only 10 individuals nationwide to be honored as outstanding roofing workers. These individuals serve as esteemed role models, as well as demonstrate higher work-related and personal goals to which others may aspire.

Roua Elliott has been employed with Stiles Roofing, Inc. for 39 years and currently holds the position of foreman. "Receiving the MVP Award from the NRCA is the greatest honor I have received during my 39 years of employment with Stiles Roofing, Inc.," said Mr. Elliott. "This award not only honors me, but also my roofing crews, as we always

strive to install the very best roofing systems for our clients."

Stiles Roofing, Inc. vice president Scott Pitt said, "I've worked with this man in one capacity or another for 27 years. I'm proud to have been trained by him, to work with him and to be his friend."

At Stiles Roofing, Inc. Mr. Elliott works hard to ensure that the employees know they are appreciated and well taken care of. He is highly respected by his peers for not only his knowledge of roofing and general construction but also for his compassion as a person and friend to those he works with.

In addition to his invaluable contributions to the roofing industry, Roua Elliott is an active community supporter and volunteer. He

is involved in many activities, most notably as the sponsor and organizer of the Annual Chili



Supper for the Windyville Fire Department.

As one of 10 winners, Mr. Elliott will receive a trip to the NRCA's 122nd Annual Roofing Convention held February 3 – 5, 2009 in Las Vegas, Nevada, where he will be formally recognized.

Source: Stiles Roofing, Inc.

LIFT PROFITS



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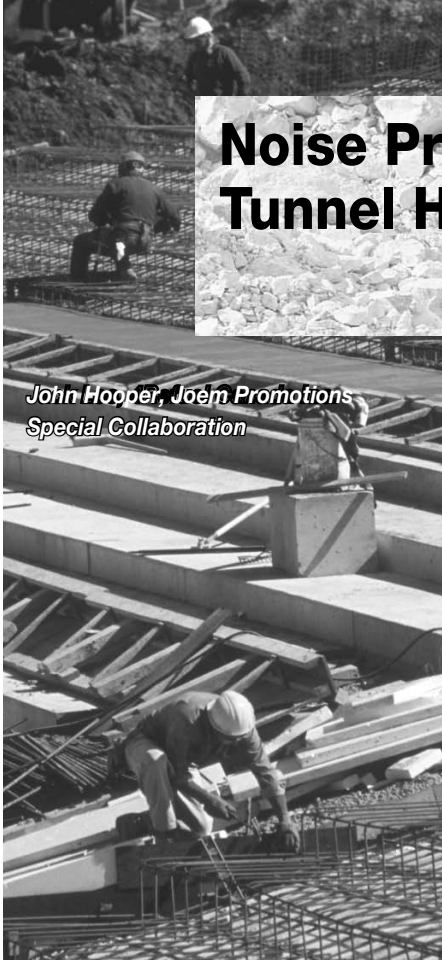
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Noise Problems Eliminated on Bridge and Tunnel Hydrodemolition Projects

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The Three Bridges project involves restoring the surface of the bridges in the centre of Stockholm, involving a total area of almost 9000 m².

Built in the 1950's the concrete bridge deck surface has become badly deteriorated, particularly over a 500 m length in the center of the 1,2 km long bridge.

With the southbound tunnel closed in 2007 for repairs, E-Schakt concentrated on preparing the dual carriageway's right-hand lanes, using hydrodemolition techniques and the new Aquajet

Power Pack for the center 500 m and water jetting the remainder. During this time, traffic flowed with reduced lane widths to allow two lane movement in each direction but with strict speed restrictions.

In June 2008, the second phase began on the inside lane of the city bound dual carriageway. The southbound carriageway has been reconfigured for one lane northbound and two lanes southbound.

Phase 3 is scheduled in 2009 to repeat operations in the southbound carriageways.

E-Schakt's Andreas Nordström confirmed that the Aquajet robot is removing concrete down to the first level of rebar on the bridge deck, to a depth of between 10-30 mm.

SÖDERLEDS TUNNEL

Work inside the 1,85 km northbound Söderleds tunnel, in a separate contract for NCC, involves resurfacing both the wall impact protection concrete slabs and the roof. The 600 mm high concrete slab on both sides of the tunnel is being stripped to a depth of 10-30 mm; where it has been damaged by stones and salt, thrown up by the heavy traffic along the full tunnel length.

At the base of the 'slab', a 300 mm deep trench has been excavated below the road surface to allow access for additional 'stripping' up to 100 mm.

The tunnel roof is water blasted at 1000 bar to clean and remove up to 2 mm of concrete to make ready for the application of fire protection.

With repairs in the 750 m southern part of



the southbound tunnel completed in 2007, including the addition of fire protection finishes, work started on the northern half of the tunnel in June 2008 in a 12 week contract throughout the summer months.

During the rehabilitation operation, including hydrodemolition works, the southbound traffic tunnel remains closed to traffic, with the northbound tunnel configured for two-way traffic flow.

NOISE CONTROL

The Ecosilence Power Pack's performance is very much appreciated on the bridge – its noise level being less than half that of conventional power packs and similar to that of a normal conversation.

The use of conventional power packs in open areas often requires special 'shells' to be fitted over them at an additional cost of up to €10 000 according to Aquajet Systems sales and marketing manager Jan-Åke Petersson.

Its development will help contractors meet the increasingly stringent operational noise requirements that are imposed when working close to sensitive locations such as residential and office complexes.

"This is a key factor for us," said Andreas Nordström, continuing, "Its operation on this

Quietly does it in Stockholm's tourist center as new Ecosilence Power Pack from Aquajet makes its debut on extensive city center bridge and tunnel hydrodemolition projects; beating all expectations and making all noise-related problems a thing of the past.

Aquajet's new Ecosilence Power Pack is currently being tested to its limits in renovation work underway at the very heart of Stockholm's historic Old Town and exceeding all expectations according to Swedish hydrodemolition specialist sub-contractor, E-Schakt's project supervisor, Andreas Nordström.

The company is undertaking hydrodemolition as part of two adjacent city center projects – the 'Three Bridges' and the second phase of work for the heavily-trafficked four lane Söderleds tunnel.

Swedish main contractor NCC is currently restoring Central Bridge, which runs between the Söderleds tunnel and Gamla Stan train station – even as work goes on in the tunnel, and the area is filled with tourists.

The bridge is a key traffic route in Stockholm linking the northern district of Norrmalm and the southern Södermalm. It is 1,2 km long and includes two viaducts over the Söderström and Norrström and has a design capacity for 130 000 cars a day.

city center project has been so quiet, it's a real city machine."

SIGNIFICANT FUEL SAVINGS

Use of Ecosilence also achieves a substantial reduction in fuel consumption compared to conventional power packs, saving an estimated €35 000 a year in a typical operation.

Traditional power packs use between 105 l/hr and 120 l/hr and fuel consumption is of increasing concern both in environmental terms and because of today's escalating prices.

Ecosilence's efficient design means a saving of up to 30 l/h when producing a water output of 200 l/min at 1000 bar and 1500 rpm at just 70% of its full power capacity. This compares with competitive units operating at 100% for 200 l/min at 1000 bar and 2100 rpm to achieve the same output.

KEY FEATURES

Key features of the Ecosilence Power Pack include:

- a 40% increase in sound insulation, including the provision of tailor-made seals for all doors and hatches to block noise propagation;
- specially-designed wall construction, with an acoustic surface treatment and sound-absorbing insulation to reduce noise and vibrations;
- a purpose-built steel enclosure that features two hydraulically-operated hatches for the engine compartment so that the operator can vent excess hot air between operations;
- an advanced heat exchange system in place of traditional cooling;
- incorporation of new criteria into the exhaust silencer, with every aspect rigorously considered including the location, shape and fastenings;
- a vibration dampener that has been specially designed for the Ecosilence;
- pipes, hoses and tubing that have been refined and improved in line with the new design approach;
- a specially adapted marine diesel engine with high torque power.

According to NCC project manager, Mr. Halvarsson, "Hydrodemolition was specified for the work on the bridge and tunnel because jackhammers cause too much

disturbance."

"With hydrodemolition you don't damage the concrete and you also have a better surface to work with. There is also no possibility of causing any cracks, whether micro-cracks or bigger ones," he said, adding, "Another advantage is that the water jets also get right under and behind the rebar," he added. "There will be a lot more of this kind of restoration using hydrodemolition taking place in Stockholm in the next few years."

INTO ITS OWN

Within two weeks E-Schakt anticipate the Ecosilence Power Pack will be moved to a



6-story car park in the center of Stockholm. Work was halted over the summer months with the first three decks stripped to a depth of 20 mm.

"But," confirmed Andreas Nordström, "work was continually halted with complaints of noise by adjacent apartment residents despite extensive treatment to the Power Packs."

"We are confident that the Aquajet Power Pack will meet the challenge and we anticipate no noise problems. It is perfect for this type of city project."

"Located in Stockholm's Södermalm district, the park had been built in the 1980's. The concrete decks have become badly affected by salt and water ingress with no camber slope for water run off.

The new decks will be laid with a slope following more than 80 000 m² being treated by the Aquajet hydrodemolition robot and Power Pack over the remaining seven floors.

HYDRODEMOLITION TECHNIQUES



"The popularity of hydrodemolition is now growing worldwide," Mr. Petersson added.

"In Sweden and other Scandinavian countries, no other form of demolition is permitted for repair works and it is also now being recommended in various German states," he said. "In addition, a new EU Standard is expected next year and we believe it will push hydrodemolition forward."

Galvanized Kerr Trailers

All Kerr Trailers models are now available with hot dipped galvanizing treatment.

Since July 2006, Kerr Trailers has been analyzing and evaluating the results of numerous units produced with this zinc treatment. The results are more than satisfactory.

Kerr Trailers will offer this option on all standard and custom models up to a total length of 14 m.

The advantages are clear and numerous: galvanizing provides exceptional corrosion protection, is extremely resistant to impacts, with a bond strength of 3600 psi, is nearly maintenance free and extends life-span of the trailer. Galvanizing will also maintain the resale value of the trailer.

Brochures explaining the galvanizing process are available on the Kerr Trailers website. Kerr Trailers, reliable products built to last.

Source: Kerr Trailers



CAMESE Releases Its New Compendium of Canadian Mining Suppliers

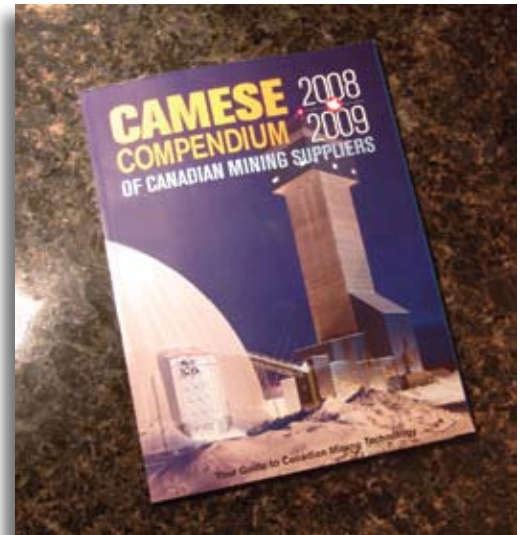
The Canadian Association of Mining Equipment and Services (CAMESE), is pleased to announce the initial distribution of the 2008/2009 CAMESE Compendium of Canadian Mining Suppliers.

This 172-page magazine-format book contains useful information about the dynamic, technologically-advanced, environmentally-sound suppliers that help keep Canadian mines among the most efficient in the world. Profiles of over 250 of Canada's prime suppliers of mining equipment and services are included.

This Compendium is the thirteenth of an annual series. A total of 20 000 copies will be distributed to mining decision makers by mail and at international mining trade shows. Much of the material in the Compendium as well as an effective product and service search facility, is also available on the Internet at the association's comprehensive website at www.camese.org

CAMESE is a non-sales trade association that exists to help Canadian mining suppliers export to world mining markets, and to assist foreign buyers, dealers and others in finding suitable Canadian business partners in the mining supply sector.

Source: The Canadian Association of Mining Equipment and Services (CAMESE)



Aluminium Air End for VMAC's 150 CFM UNDERHOOD

The VMAC UNDERHOOD Air Compressor System is the lightest 150 CFM Air Compressor in North America, in part to a newly engineered aluminum air end featured within every system.

The 55LB air end delivers up to 150 CFM and 175 psi of instant air-on-demand. A complete air solution, the UNDERHOOD air

system includes an air/oil separator tank, mounting brackets, compressor, and cooler, as well as an idle controller built to the work truck. By mounting the air compressor underneath the hood, owners save valuable deck space, the hitch, and trips to the worksite. The aluminum shift has not only reduced overall system weight and increased

product quality; it also contributes to shorter lead times and faster delivery.

Combined with the new aluminum introduction, the UNDERHOOD Air Compressor delivers significant weight and space savings by eliminating the need for a secondary motor or air storage tank. Belt-driven by the vehicle's engine, the oil-injected rotary screws at the center of the UNDERHOOD air compressor spin at high speeds, forcing hot, compressed air and oil into a separator tank beneath the vehicle. This tank removes oil and particulates, delivering oil-free compressed air to your air tools. Oil is re-circulated to a heat exchanger, which works with the truck's cooling system. Cool, clean oil is then recycled back to the air compressor. As your tools need more air, an electronic throttle control increases RPM to produce more CFM, getting the job done faster.

The system has worked for hundreds of construction, utilities, public works, and mobile mechanic contractors across North America, and is supported by a dealer network of over 300 locations.

Source: VMAC



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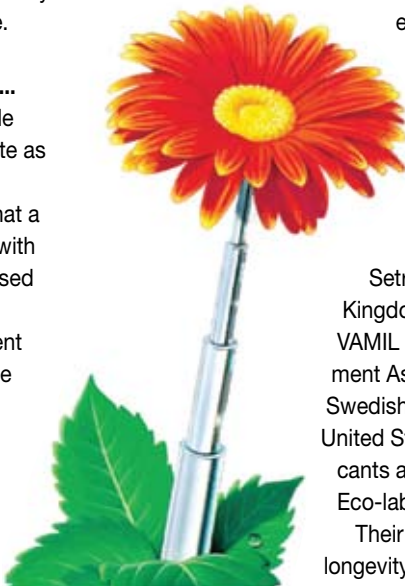
Reknowned Swiss speciality non-toxic and biodegradable lubricants manufacturer, PANOLIN AG enthusiastically announces that Distribution Enviro Énergie Inc. will be their authorized Canadian importer.

Enviro Énergie has been diligently reviewing and renewing all relevant approvals for use of PANOLIN products by major manufacturers such as Caterpillar, Komatsu, John Deere, Volvo, JCB, Palfinger, Liebherr, Doosan, Hitachi, and others within Canada prior to this announcement. They have also been hard at work collaborating with utility and other speciality customers such as the St. Lawrence Seaway Commission, Bosch-Rexroth, Alstom, and others who are involved in the construction and refitting near waterways. Essentially Enviro Énergie wants everyone who uses oils and lubricants in mobile or static equipment in sensitive locations to be aware of the availability of the PANOLIN product range.

ONE DROP IS ENOUGH...

It only takes one single drop of oil to contaminate as much as 3 m³ of water!

Regulations dictate that a 1 m³ soil contaminated with conventional mineral based oils would require the reclamation and treatment of at least 10 m³ from the site. This high cost for a non-intentional spillage is what Enviro Énergie hopes to address with the introduction of the PANOLIN



products.

PANOLIN lubricants are digested by micro-organisms present in the soil or water to a level of 70% - 78% within 28 days.

Applications for PANOLIN lubricants are numerous and cover all kinds of machines used on the worksites.

The majority of original equipment manufacturers approve – and use – biodegradable PANOLIN lubricants first fill.

For more than 20 years PANOLIN has worked to develop biodegradable synthetic lubricants, which is why they are used in over 800 000 machines in more than 40 countries. This represents over 1 billion hours of service for these ecologically friendly lubricants.

PANOLIN lubricants are made from saturated synthetic ester base oils and carefully selected non toxic additives to provide excellent resistance to oxidation, corrosion and wear, without compromising environmental compatibility.

They conform to major international environmental standards such as: Germany's Der Blauer Engel, Austria's Ö-Norm C 2027, Czech Ecolabeling Agency's Ekologicky Setrny Vyrodek 15 – 02, United Kingdom's EA Standard, Holland's VAMIL Regulation, Japan Environment Association's Eco Mark, Swedish Standard 15 54 34 (SP-list), United States' BioPreferred Lubricants and Europe's EEL (European Eco-label).

Their technical performances and longevity allow a 5 to 6 times longer



service life over a conventional mineral oil offsetting the minimal initial cost per liter between both. In the case of a machine using a 800 l capacity hydraulic system after 12 000 service hours, and comparing the cost of a mineral oil to a biodegradable oil, including the cost of consumables (oil and filters), machine shut downs, and manpower... the net result is in favor of the PANOLIN biodegradable oil with a margin of about 30%, even with the more expensive initial cost.

Such fiscal and ecological economies do not just make good environmental sense, in today's world they can mean the difference between profit and not. Enviro Energie plans to introduce these products and will have more information available at the upcoming National Heavy Equipment show in Toronto, and Expo Grands Travaux in Montreal.

Source: Distribution Enviro Énergie Inc.



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All Season Lubricant Provides Tangible Savings Solutions for Alberta Construction Company

Located in Fox Creek, Marnevic Construction builds roads and leases for oil rigs and also specializes in site development. With the oil and construction economy booming in Alberta, companies like Marnevic Construction are busy keeping up with the demand.

Their equipment fleet, consisting of track hoes, loaders, packers, graders, trucks, crushers and crawlers are repetitively pushed to the limit, drudging daily through rugged oil field conditions and extreme temperature ranges.

Weather conditions in Alberta can fluctuate drastically, depending on the season. The winter months bring frigid, arctic-like temperatures and the summer brings sweltering, desert-like conditions. As a result, Marnevic Construction's mechanics were changing out fluids quite regularly, not because of poor performance, but because of seasonal requirements. In some machines this could not be avoided, but in the case of their 30 CAT crawlers it could.

THE CHALLENGE

"One of our biggest maintenance challenges was seasonal fluid change-outs in our crawlers," says Troy DeCiccio, Marnevic Construction's shop foreman and vice president.

Time, money and oil were being wasted. Mr. DeCiccio needed a solution. He consulted his distributor – Max Fuels – and found it: Petro-Canada's PRODURO TO-4+ Synthetic All Season, a transmission and drive train fluid designed to maximize durability and equipment protection in cold winter months and hot summer months.

THE SWITCH

All 30 CAT crawlers were converted to PRODURO TO-4+ Synthetic All Season. It is intended for use in Caterpillar off-highway vehicles and any mobile equipment where conventional motor oils are accepted in hydraulics, transmissions, gears and wet brake applications. It helps extend component life through better lubricant protection, eliminates seasonal change-outs, mitigates

cold start-up problems and allows for product consolidation.

THE RESULTS

"There's no comparison," says Troy DeCiccio. "We used to change the fluid every 200 to 300 hours simply because of environmental temperature fluctuations. Now we change it

Construction less because of cost-per-hour and product consolidation benefits. They are using less fluid, downtime has been reduced and drain intervals have increased. "Now, when the Spring or Fall hits, I don't have to pull the crawlers from job sites just to change the transmission fluid."

"Our biggest maintenance challenge has



every 1500 to 3000 hours. Using PRODURO TO-4+ Synthetic All Season in conjunction with an effective maintenance program including oil analysis, means our mechanics can spend more time on important issues rather than changing transmission oil."

What sets PRODURO TO-4+ Synthetic All Season apart is that its base oil is free of most of the impurities found in conventional oils.

By removing impurities that can hinder conventional oil performance, PRODURO TO-4+ Synthetic All Season retains its "fresh oil" properties longer.

Though the cost of PRODURO TO-4+ Synthetic All Season is more than the previous fluid, it is really costing Marnevic

been overcome because of our switch to PRODURO TO-4+ Synthetic All Season," says Troy DeCiccio. "I should also mention that we've overcome other maintenance challenges with the help of Petro-Canada products. A great example is TRAXON™ E Synthetic CD-50. It protects our gears and provides good year-round performance."

VALUE-ADDED SERVICE

Not only is Mr. DeCiccio happy with the product, he is also happy with the service. "Max Fuels is the distributor we use when ordering PRODURO and TRAXON. Travis and the guys there are great to work with – they provide great customer service."

Source: Petro-Canada Lubricants

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Vermeer introduces new bucket wheel attachment

Vermeer Corporation, a leading manufacturer of underground equipment, has introduced a high-capacity bucket wheel attachment for the installation of small diameter cross-country pipelines. The bucket wheel attachment is designed to work with the Vermeer® T655 COMMANDER® 3 tractor.

The bucket wheel is designed to help increase productivity in soft soils. Instead of the typical chain configuration, which positions the carbide trencher teeth in a specific formation or pattern, the wheel features a series of buckets, which rotate in a circular motion helping move more dirt from the trench. Optional pingo teeth, which enhance the removal of dirt are also available. The attachment has a cutting width of 55 cm, 61 cm or 71 cm, depending on the size of buckets used.

Vermeer has incorporated a number of unique design features into the attachment. To protect the bucket from damage, an independent metal band is bolted to the rim and acts as a leading edge to remove dirt from the trench. Should the bucket happen to hit a rock, the band is designed to break away from the rim. The band can easily be bolted back into place, saving time and allowing the operator to simply replace the band rather than the whole bucket.

The bucket wheel is powered by the Vermeer T655 tractor which features a 250



hp Tier 3 engine. An optional auto-leveling tilt track allows the operator to maintain a vertical trench on slopes up to 10,5°.

Source: Vermeer Corporation

Thompson Pump Promotes Rotary Wellpoint Pumps for NASTT No-Dig Tradeshow



The Thompson Rotary Wellpoint Pump is the original rotary wellpoint pump trusted by contractors worldwide for over 35 years for reliable, cost-effective construction dewatering. With unassisted priming and automatic re-priming, high vacuum up to 29" Hg capacity, high air handling to 400 CFM, and flows to 11 350 l/min, the Thompson rotary wellpoint pumps are specifically engineered for wellpoint and sock dewatering. Available in sizes 20 cm and 30 cm, Thompson's pumps are equipped with abrasion and corrosion resistant parts, polyurethane rotors, and stainless steel wear plates that can handle intense industrial and plant applications.

Visit Thompson Pump at NASTT No-Dig in Toronto, Ontario, on March 30, 31 & April 1... Booth #850

Source: Thompson Pump

New Mobile Column Lift Makes Vehicle Maintenance Faster and Easier

The benefits of the new Mach 4™ mobile column lift from Rotary Lift can be summed up in two words: fast and easy.

The Mach 4 is sold in sets of four or six battery-operated columns. Each column has a rated capacity of 8150 kg. The lift can raise a vehicle 2 m in just 78 seconds.

Each Mach 4 column is powered by two deep-cycle marine batteries and is equipped with an onboard waterproof Minn Kota® charger. It can be used anywhere in the shop – including wash bays – as well as outside. Its hydraulic cylinder is positioned to protect its chrome piston rod from debris and damage at all times.

The Mach 4's proprietary horseshoe wiring layout is faster to set up. It uses just three communication cables, leaving the front or back of the lift open.

Each of the Mach 4's columns is identical, so a technician can control the entire lift while standing at the most convenient column. This feature helps make the lift quicker to set up and more efficient than one operated by a single master column.

Source: Rotary Lift



Multi-trade use of Hydro Mobile Platforms in Boston's historic district

Dimeo Construction Company is using mast-climbing work platforms from Hydro Mobile to construct the Avenir, a redevelopment project within Boston's historic Bulfinch Triangle.



Rented and serviced by Hydro Mobile's regional distributor Marr Scaffolding, 31 mast climbers are being used to perform the exterior facade work on the Avenir building, a

luxury 241-unit rental project built on top of, and partially supported by, the structure of Boston's MBTA North Super Station.

Dimeo Construction, a family-owned and operated company, ranks among the top 100 construction managers in the United States. With 250 employees and projects running all over New England, the company's continued success demands a careful choice of partners, suppliers and sub-contractors. Doug Peckham, project manager, explains why he chose Hydro Mobile for the Avenir project: "Marr Scaffolding and Hydro Mobile were undoubtedly the best deal we found on the market. Pricing and product reliability were obviously important issues for this selection, but training, engineering services and customer support proved to be the key elements that set Marr and Hydro Mobile apart from the rest."



Hydro Mobile's engineering department took care of the setup design and Marr Scaffolding went onsite to handle the erection. 18 P-Series were installed to provide access to corners, restrained areas and recesses. 13 M-Series were used for the rest of the 35 300 m² facade.

Teams from Dimeo Construction and their associated sub-contractors attended training seminars at Marr Scaffolding and were certified to operate the mast-climbers.

Since May 2008, Dimeo Construction has fully taken advantage of those 400 lineal meters of Hydro Mobile. The mast climbers, with capacities ranging from 1360 kg to 17 250 kg, turned out to be ideal for heavy works involving metal panels, structural steel, relieving angles and masonry. Multi-trade subcontractors, which included tasks such as carpenters, glaziers, ironworkers, laborers, waterproofers, roofers and masons, utilized the platforms to the fullest extent in completing the structural steel and exterior facade elements.

"Hydro Mobile offers six different models to answer the specific needs of any trade in the industry", explains Bill Lederman of Marr Scaffolding. "The work area is ideal for all trades and all types of materials. Decks are 1,5 m to 2,1 m-wide, lengths go from 1 m to 42 m, and all models have a lower working area. Hydro Mobile mast climbers offer a safe, ergonomic and comfortable work environment and contribute to improve onsite productivity."

The Avenir, another project marking the rejuvenation of the historic district of Bulfinch Triangle, is developed by Arch Stone Smith and will be completed by July 2009.

Source: Hydro Mobile Inc.

Link-Belt 548 Crawler Crane Completes Luffer Tests

Luffer and all SAE conventional capacity tests on Link-Belt's 500 t 548 lattice boom crawler crane are complete. Currently, machines on the test pads at Hitachi Sumitomo's facility in Saijo, Japan, are completing function testing and load moment calibration and verification. Shipments into North America are planned for the second quarter of 2009.

Introduced at ConExpo in March 2008, the 548's preliminary specifications place the heavy-duty boom at 24 – 84 m and the long-range boom at 42 – 108 m. Complete luffer specifications will be announced soon. Future testing will involve a heavy-lift attachment.

Link-Belt Construction Equipment Company, with headquarters in Lexington, Kentucky, is a leader in the design and manufacture of telescopic boom and lattice boom cranes for the construction industry worldwide.

Source: Link-Belt Construction Equipment Company



Terex Acquisition of Hydra Platforms Enables Roadbuilding Segment to Work Closely With the Bridge Industry

The acquisition of Hydra Platforms Mfg., Inc. by Terex Corporation last April, gives the bridge building and restoration industries more equipment options from a single source. Pairing Hydra Platforms with the well-known Terex® family brand of Bid-Well allows Terex Roadbuilding to offer contractors and departments of transportation the leading line of self-erecting, under-bridge access equipment in addition to bridge pavers, work bridges and texture/curing machines.

"The partnership of Bid-Well and Hydra Platforms creates an incredible value chain for the company and industry," says Rob Drew, site director for Bid-Well, a Terex Company. "Whether it's for bridge construction, inspection, repair or utility work, we now offer the industry more equipment solutions for a wider array of applications."

Used by DOTs, bridge contractors and engineering firms worldwide, Hydra Platforms offers a true platform design throughout the entire line for under-bridge access. The line consists of seven hydraulically operated, self-



contained units that offer quick and simple set up. Two trailer-mounted models – the HP 32 and HP 35 – offer platform lengths of 9,8 and 10,7 m, while five truck-mounted units – the HPT 43, HPT 52, HPT 55, HPT 60 and HPT 66 – deliver from 13,1 to 20,0 m platform lengths.

A patented, fully adjustable tower separation system sets Hydra Platforms equipment apart from other units. This exclusive feature incorporates hydraulically adjustable cross

linking arms that allow operators to adjust and move the outside tower toward the bridge fascia or extend it over obstacles without repositioning the truck or trailer. This system also uses a crossover access platform with rails, allowing operators to safely access the unit's tower and under-bridge platform.

The hydraulically erecting platform deploys in five minutes, saving time at the jobsite. Ladder access to the under-bridge platform is fully enclosed inside the tower for unmatched operating safety. All Hydra Platforms models occupy only a single lane to keep traffic closure to a minimum. The truck units are self-propelled on the bridge, allowing operators to reposition the unit directly from the platform.

"By offering quality equipment designed with safety in mind and backing it up with good service, we've been able to build Hydra Platforms into a household name," comments Garth McGillewie, Jr., director of Hydra Platforms. "Being paired with Bid-Well and with the power and recognition of Terex behind us, we look to serve many more customers in the global market."

Bid-Well, who earlier this year introduced the first-ever bridge paver capable of paving up to 61,0 m, is the leading manufacturer, seller and service provider of bridge and automatic roller concrete paving equipment in the United States. The line consists of the model 2450, 3600 and 4800 bridge pavers; the 5000, 6000 and 7000 model street, highway and airport pavers; the 7000 canal and slope paver; model 2418, 3424, 3430 work bridges; and the TC-360 and TC2400/3600 texture/curing machines.

Source: Terex Corporation

Superior Awarded Second Patent on Conveyor Support Design

Superior Industries, a leading manufacturer of conveyor systems and components, announced today that the company's new radial stacking conveyor undercarriage support was recently awarded a second utility patent from the United States Patent and Trademark Office. This patented undercarriage support is sold under Superior Industries' Federally Registered Trademark "FB".



The improved support strut design adds strength, stability and safety to Superior's larger model radial stacker conveyors. Additional undercarriage support, with bracing on both the upper and lower strut sections, is designed and manufactured into the 170 and 190 foot telescoping conveyors. This design gives radial stacking conveyors stability at longer lengths along with increased capacities or more tons per hour coming off the conveyor.

Source: Superior Industries

PRIMAAX EX Air Suspension for Vocational Truckers

For expanded application capabilities, Hendrickson recently launched the PRIMAAX® EX™ system, an enhanced version of the PRIMAAX® heavy-duty, vocational truck air suspension.

PRIMAAX EX improves durability and performance while delivering a substantial weight savings alternative to competitive systems, report officials of Hendrickson Truck Systems Group.

Refinements in the PRIMAAX EX system include enhanced joint integrity and durability, improved handling, increased air spring capacity, greater disc brake compatibility and improved resistance to torque rod bushing walk-out.

Launched in 2003, the job-proven PRIMAAX air suspensions quickly gained the trust of heavy-duty truckers in a variety of vocational and construction applications including concrete mixers, dump trucks, heavy-haul tractors, refuse vehicles, truck-mounted cranes and logging trucks.

The PRIMAAX EX system features cast

austempered and shot-peened ductile iron support beams that integrate the attachment points for greater reliability. Hendrickson manufactures the beams and supplies them as an engineered sub-assembly to ensure control of product specifications for optimal performance and durability.

PRIMAAX EX geometry features a new frame hanger and torque rod configuration. This enhanced geometry provides increased roll stiffness and reduced roll steer for improved handling. In addition, suspension-induced driveline vibration is significantly reduced with PRIMAAX EX compared to competitive trailing-arm air suspensions.

Expanded offerings of the longitudinal torque rods help provide extended bushing life, ease of serviceability and improved compatibility to package with disc brakes.

Featuring improvements to the air spring piston shape and beam interface, the new



PRIMAAX EX air springs lift and support the load with less air pressure. Furthermore, packaging improvements help reduce potential damage to the air spring.

PRIMAAX EX features superior ride, handling, stability and suspension articulation, proving ideal for versatile on- and off-highway applications.

Source: Hendrickson

New Rebar Detector and Covermeter

Switzerland-based Proceq recently announced the availability of a new product that allows construction and building industry professionals to avoid drilling into rebar, a costly and dangerous hazard.

The Proceq Profoscope, has a scope-based detection interface that combines rebar proximity indicators with optical and acoustical locating aids.

The Profoscope is small, light, cordless and ergonomically designed to fit in the palm of the hand. Made for one-handed operation, the language-independent interface provides both visual and acoustic indications of what lies directly beneath the concrete surface.

The Profoscope looks like a conventional instrument with a large graphic LCD display and selectable backlight that can locate a rebar, measure cover depth and a rebar diameter.

"This is a best-in-class feature that sets the Profoscope apart from any other similar instrument on the market," said Paul Siwek, Proceq USA. "This is especially useful when the user needs to drill into reinforced concrete and avoid damaging the expensive rotary drills and carbide drill bits."

The Profoscope is supplied with a start-up test kit, a custom-made canvas bag, product documentation and accessories. There is 24-month warranty and as with all Proceq products, sales and full service support is available from Proceq's global location (www.proceq.com).

Source: Proceq SA



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Canada's Largest Lawn & Garden Trade Show Enjoys Another Successful Year

To kick off the 2009 buying season, Landscape Ontario hosted another successful Congress trade show. Professionals from the horticulture, lawn & garden and landscape industries gathered for three days at the Toronto Congress Centre, where the show was highlighted by over 600 exhibitors and hundreds of new products on display and a variety of workshops and networking opportunities.

"Each year, attendees and exhibitors come together to preview the latest trends, newest tools and innovations in the industry; this year was no exception. The show floor was a hub of activity with deals taking place throughout the aisles," said Paul Day, show manager for Congress 2009.

Attendees gave Congress 2009 high marks for the show's many new and green products and its comprehensive speaker line-up. Adding to the excitement, a variety of environmentally friendly products were launched during Congress 2009, and the Green Forum, held for the first time ever at this year's show, was the ideal place to exchange information and best practices on sustainable green initiatives.

Congress 2009 is Canada's largest lawn and garden trade show. Over 600 exhibitors showcased their products and services. The show also included workshops, networking and social functions.



Landscape Ontario is the largest horticultural trade association in North America with more than 2300 members. Its mission is to be the leader in representing, promoting and fostering a favorable environment for the advancement of the horticultural industry in Ontario.

Congress 2010 will be held on January 12th through to the 14th.

Kubota Adds Versatility, Power and Productivity to Popular B-Series Compact Tractors

Kubota introduces four new models to its popular B Series compact utility tractor line. The new Kubota B2320, B2620, B2920 and the B3200 tractors are versatile, powerful and productive, featuring more horsepower and hydrostatic transmission with three-range transmission speeds to choose from, giving the operator enhanced power and control.

The B2320, B2620 and B2920 come equipped with 3-cylinder liquid-cooled diesel engines, while the B3200 features a 4-cylinder engine. The entire series offers the E-TVCS Kubota engine for increased power, high torque, cleaner emissions and low noise and vibration. The three-range transmission models lets operators find the right speed to suit their task. Maximum traveling speed ranges from 18 km/h to 19,8 km/h, depending on model.

All models in the series are equipped with a variety of safety features including: multi-reflective headlights for better visibility, backlit dash panel for tracking vital functions, and a slanted metal hood that offers a clear view of front loader operations. A foldable roll-over

protection structure (ROPS) is standard. The B-Series also provides the operator with a high-back seat and large flat deck platforms for more leg room and a wider step area.

Kubota's B2320, B2620 and B2920 standard tractors are performance-matched with Kubota's LA304/364 front loaders and BH65 backhoe. The B3200 is performance matched with the LA504 front loader and BH76 backhoe. The LA504 loader includes an optional Kubota quick coupler for easy attach/detach of attachments. The series is equipped with an optional 4-position loader valve and lever control that is integrated with the tractor and ergonomically positioned for easy and quick use of a front loader and other front

implements. These tractors also feature a new backhoe reversible seat (optional with



backhoes) that swivels from front to back to provide more leg room for backhoe operation. BH65 and BH76 backhoes are also available with an optional 6-position mechanical thumb.

Source: Kubota Tractor Corporation

BICES and AEM Join Forces for the Good of the Industry

The Beijing International Construction Machinery Exhibition and Seminar (BICES) and the Association of Equipment Manufacturers (AEM), which owns the CONEXPO Asia exhibition, have announced a strategic cooperative effort to ensure the perpetuation of a top-drawer international construction machinery exhibition in China. All the resources that made CONEXPO Asia an effective show for attendees and exhibitors will now provide enhanced support to BICES. The BICES-AEM partnership will bring together manufacturers, customers and industry organizations in a powerful way to produce the most successful event possible for all industry stakeholders.

The BICES exposition has been established and organized by the industry for 20 years. BICES has become one of the most important platforms for the participants, who play an important role in the Chinese market or industry. BICES 2009 will be held November 3-6, 2009 in Beijing at the Jiuhua International Exhibition Center. It will be the 10th edition of the biennial BICES show, and the 2009 theme is "Safety, Environmental Protection, Science and Technology, Innovation. BICES 2009 is expected to cover 160 000 m² and has the support of more than 40 professional associations both in China and abroad. AEM has been a past supporter of BICES, having organized AEM international exhibits pavilions at the 2001 and 2003 BICES shows.

AEM will bring its considerable global trade show expertise and experience to BICES. AEM will sponsor this international show in 2009 and will handle international exhibit sales in the Americas, Russia, India and parts of Europe. The partnership is a long term agreement – 12 years with the show to be held in odd-numbered years 2009 through 2021. AEM will also work with BICES to organize and coordinate additional input to an Industry advisory committee so that the industry trade show model is continued through BICES.

"BICES and AEM have a strong mutual concern for creating the best construction trade show possible for attendees and for return on investment for exhibitors. We have been in cooperative talks for several years to make this outstanding value-added opportunity possible. Our global cooperation will enhance the trade show options available to attendees and exhibitors, and we are pleased to enter into this agreement," stated Qi Jun, president of the China National Construction Machinery Corporation (CNCMC), an organizer of BICES, and Dennis Slater, president of AEM.

The finalization of this agreement provides an ideal opportunity in this current global economic crisis to help the industry worldwide by consolidating trade show events and creating more value for exhibitors and attendees, according to BICES and AEM. China trade show consolidation was favored heavily by the International Associations Committee (IAC). The IAC is made up of the manufacturer associations in America, China, Europe, Korea and Japan. Also, such an agreement will assist AEM cooperation as well with the manufacturer organizer of BICES, the China Construction Machinery Association (CCMA), in areas including statistics, standards and safety initiatives.

BICES exposition organizers are the China Construction Machinery Association (CCMA), the China National Construction Machinery Corporation (CNCMC), and the Council for the Promotion of International Trade (CCPIT) and the Machinery Sub-Council (MSC).

AEM is the North-American based international trade association for the off-road equipment manufacturing industry (agriculture, construction, forestry, mining, utility). It also has a Beijing, China office.

Source: Association of Equipment Manufacturers (AEM)

Appointments

Stuart L. Levenick, Group president of Caterpillar Inc. in Peoria, Illinois, has been named to the Board of Directors of the **Association of Equipment Manufacturers (AEM)**, the North American-based international trade group for companies that manufacture equipment, products and services used worldwide in the agricultural, construction, forestry, mining and utility sectors.



AEM directors help set the guidelines and operating policies of the association on behalf of its members in areas including technical and product safety support, equipment statistics and market information, public policy representation, trade shows, global business development services, education and training, workforce development and worksite safety/educational materials.

AEM is headquartered in Milwaukee, Wisconsin and has offices in the world capitals of Washington, D.C.; Ottawa, Canada; and Beijing, China; with a European presence in Brussels, Belgium.

Superior Industries, a leading manufacturer of conveyor systems and components, has appointed **Steve Terry** as its new conveyor components territory manager throughout the Southwest United States. He joins existing conveying equipment territory manager Todd Uphoff to better serve the region.



"With an office near our Southwest Division in Prescott Valley, Arizona, Steve Terry will work with Superior's components distributors in California, Nevada, Southern Idaho, Utah and Arizona. His experience will help to provide quality service, knowledge and reinforce Superior's commitment to providing the highest quality idlers, pulleys and conveyor-related accessories to our customers," said Todd Uphoff.

Headquartered in Morris, Minnesota, Superior Industries designs and fabricates a full line of conveying equipment, telescoping conveyors, feed systems, and manufactures high quality idlers, pulleys, and other conveyor components. Besides Morris, we operate from manufacturing facilities in Prescott Valley, Arizona and Norcross, Georgia.

Source: Superior Industries

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National Heavy Equipment Show
March 5 - 6, 2009
Toronto, ON Canada

NATIONAL HEAVY EQUIPMENT SHOW

World of Asphalt / AGG1 Aggregates Forum & Expo
March 9 - 12, 2009
Orlando, FL USA

World Asphalt 2009
SHOW & CONFERENCE

Prairie Regional Trade Show - Canadian Rental Association
March 14, 2009
Saskatoon, SK Canada

Quebexpo - Exposition de l'Association de location du Québec
March 31 - April 1, 2009
Saint-Hyacinthe, QC Canada

EXPO Grands Travaux
April 3 - 4, 2009
Montreal, QC Canada

EXPO GRANDS TRAVAUX
EQUIPEMENT LOURD

ExpoCam 2009
April 16 - 18, 2009
Montreal, QC Canada

Intermat 2009
April 20 - 25, 2009
Paris, France

INTERMAT

Building Fairs Brno
April 21 - 25, 2009
Brno, Czech Republic

APOM Technical Day
May 8, 2009
Repentigny, QC Canada

Truck & Bus World Forum & SOLUTRANS
May 10 - 16, 2009
Lyon, France

MASZBUD - International Construction Equipment & Special Vehicles Fair
May 12 - 15, 2009
Kielce, Poland

The Big Event - Northern Mines & Exploration Expo 2009
May 21 - 23, 2009
Timmins, ON Canada

WasteTech 2009
June 2 - 5, 2009
Moscow, Russia

CTT Moscow 2009
June 2 - 6, 2009
Moscow, Russia

M & T Expo 2009
June 2 - 6, 2009
Sao Paulo, Brazil

4th Annual Salon National de l'Environnement
June 19 - 21, 2009
Montreal, QC Canada

Hillhead 2009
June 23 - 25, 2009
Buxton, UK

Hillhead 09

APOM Technical Day
September 11, 2009
Trois-Rivières, QC Canada

ICUEE - The International Construction & Utility Exposition
October 6 - 8, 2009
Louisville, KY USA

ICUEE

BICES - Beijing International Construction Machinery Exhibition & Seminar
November 3 - 6, 2009
Beijing China

INFRA 2009
November 16 - 18, 2009
Mont-Tremblant, QC Canada

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