

# All mine

Tessier sends a large fleet of Manitowoc cranes to two mines in Northern Quebec, Canada.

**T**essier Ltd., one of Quebec's leading lifting companies, is employing 23 Manitowoc cranes at two large mines in Northern Quebec, Canada. The cranes provide general lifting services at the sites and offer lift capacities of up to 300 tons. The fleet of cranes at the two mines include 17 Grove rough-terrain cranes, a Manitowoc lattice-boom truck crane, two National Crane boom trucks, two Grove YardBoss industrial cranes and a Grove all-terrain crane.

The two mines are located at Fermont in Quebec and Deception Bay on the Hudson Strait.

At the Fermont site, Tessier supplied both cranes and operators to lift construction materials and mechanical equipment, such as tanks, boilers, pumps and electric motors.

Several lifts were required to help construct a fixed gyratory rock crusher, for example, and to help forge an 8.5 foot conveyor section that spanned between it and a new ore concentrator building, including a bridge section that crossed over rivers. Tessier performed all of the

lifting engineering, including lift plans and on-site supervision of the lifting operations.

The Fermont project began in 2011 and will finish by early 2014. On site are a Grove RT760, four Grove RT760Es; a Grove RT765E; a Grove RT780E; a Grove RT9130E; 2 Grove RT9150Es; a Manitowoc 777T; a Grove GMK6300L; a Yardboss YB4415; a Yardboss YB7722XL; a National Crane 880C; and a National Crane 990A.

The other major mining site Tessier is supplying cranes and operators to is at Deception Bay. There, the cranes are lifting mechanical equipment and construction materials, among other duties.

The Deception Bay mine project began in 2008 and is expected to wrap up in the summer of 2013. At the jobsite, the lineup of cranes includes three Grove RT760Es; a Grove RT9100; two Grove RT9130Es; and a Grove RT9150E.

## Mine experts

A division of the company Groupe Desgagnés, Tessier has been in the crane rental business for more than 60 years. Over that time, the Quebec-based company has come to rely on Grove and Manitowoc as its cranes of choice, the company says. Pierre Desgagnés, Tessier general manager, says the company uses Grove cranes for their solid construction, reliability and design.

"Grove cranes are well-designed products that are able to handle a variety of work," he says. "They have strong construction and superior technology. We have a long relationship with Grove. The company is the leader in rough-terrain cranes."

Desgagnés says one of the biggest challenges for both mines is providing enough operators for the cranes. Canada's boom in oil, gas and mining work has left operators in short supply.

**A Grove GMK6300L helps construct a bridge over a small river at a Fermont mining site in Quebec, Canada, with the help of another crane.**



**A Grove RT765E rough-terrain crane helps construct a balloon structure for an ore storage silo at a Fermont mining site in Quebec, Canada.**

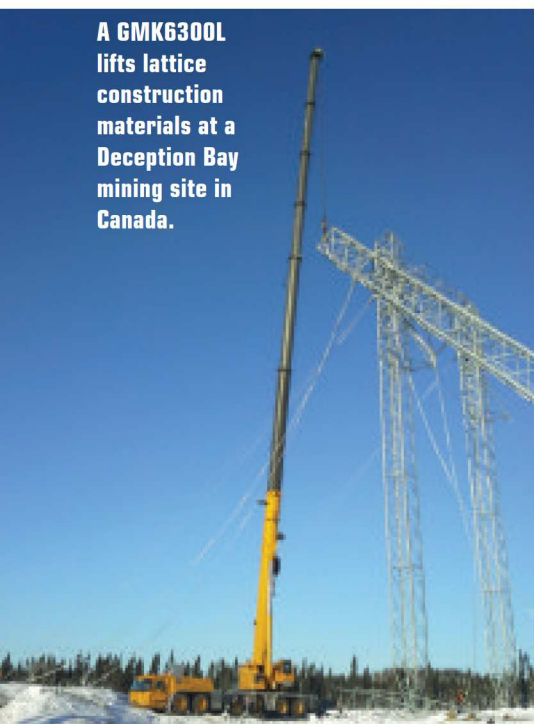
Still, Tessier has been able to operate all of its Grove, Manitowoc and National Crane models.

"The mechanics of the Grove cranes are simple and easy to use," Desgagnés says. "For example, the telescopic boom system is very reliable, where we've had problems with others in the past. Our operators prefer these machines and work well with them."

For one unique task, a new RT765E was used to help construct an ore storage silo. The crane, wrapped in plastic, was setup with a man basket pinned to the boom point. A giant balloon structure was placed over the crane, and was

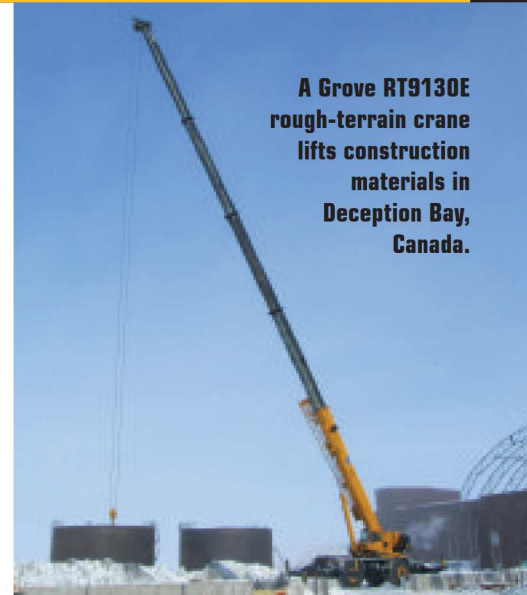


**A GMK6300L lifts lattice construction materials at a Deception Bay mining site in Canada.**





A Grove RT9130E lifts a section of processing infrastructure with the help of another crane at a Fermont mine in Quebec, Canada.



A Grove RT9130E rough-terrain crane lifts construction materials in Deception Bay, Canada.

says. “We spent two years working there and conditions were very demanding, especially in the winter, but the Groves held up. We were really satisfied with how the machines performed.”

In all, Tessier has about 100 employees. The company offers a range of services, including stevedoring, crane rental and operation, heavy machinery operation, intermodal transshipment and road transportation.

Tessier’s cranes were supplied by the Quebec branch of Strongco, the Manitowoc, Grove and National Crane dealer for the region. The two companies have been doing business together for 34 years.

inflated to building-size proportion. Meanwhile, urethane was shot onto the balloon’s interior, hardening the surface and reinforcing its shape. Then, steel rebar was placed and recovered inside the balloon and shotcrete was used to construct reinforced concrete walls within the structure.

“Construction of the ore storage silo lasted four months, working 24 hours-a-day, seven days-a-week,” Desgagnés says. “We used a brand-new Grove-rough terrain crane because reliability was crucial – once the job began, we would not have been able to replace the crane if it had a mechanical problem.”

**Durability is key**

Desgagnés says the durability of Grove cranes has been a key to success on the mines, where temperatures can be extreme. Jobs in which Tessier completed in the past gave the company the confidence to use the cranes at the two mines, Desgagnés says.

“We sent one RT9150E to the arctic mining site of Deception Bay and it worked well in the cold environment,” he



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