



# A Success In Productivity

*Claims can be made but success must be proven.*

## Albian Sands & The 495HF

The 495HF (High Flotation) shovels at the Albian Sands Muskeg River Mine, north of Fort McMurray, Alberta, Canada, are proving to be a true success story. With a target for having the most modern and efficient oil sands operations in Alberta, the Albian Sands management team wanted a rope shovel that they could rely on to help them meet their goals. The 495HF is proving to be that machine.

The 495HF is equipped with the field proven lower works design of the popular 595B shovel currently in operation at other oil sands operations. It is equipped with wide 140" (3.556 m) crawler links, which give the shovel the ability to operate in the soft underfoot conditions found in oil sands applications. The addition of a Bucyrus *FastFil™* dipper with the new spade lip design makes this the most productive electric rope shovel available on the market today. Increased horsepower allows the 495 a 110-ton (100 tonne) single pass capability. It can provide up to 120-ton (109 tonne) capacity when specified.

Powered by the latest Siemens AC-IGBT drive system technology, the brushless AC motors and fuseless drives are setting new standards for reliability and efficiency in the unique oil sands environment. "The electrical system is second to none in the industry," states Mike Onsager, Bucyrus' Director of Electrical Engineering. "Bucyrus and Siemens have worked together for over twenty years. As a result, the 495 and ultimately the customer, benefit from having the most efficient and reliable shovel drive system available today."



Dave Lang, Bucyrus' Director of Engineering notes that "our machines are built to produce and they are exceeding our customer's expectations. Albian's productivity is proof of that."

The Albian team currently have four 495HF shovels working for them. With the customized MARC® program provided by Bucyrus, Albian's machines are maintained by the technical expertise and skilled labor resources that effectively and efficiently maximize machine performance, allowing Albian to achieve their production goals. As of October, the fleet was operating at 97% availability over a three month average and at 96% for the year to date.

According to Chris Yellowega, Albian's Manager of Mine Maintenance, the 495HF has proven to exceed their planning expectations by a significant margin. This has enabled Albian to minimize higher cost excavation equipment and utilize some maintenance resources elsewhere in the organization. Mr. Yellowega states, "Overall the 495HF has been the strongest performing shovel I have worked with."



### Special Features

- "SuperCab" design for operator comfort and convenience.
- Innovative *FastFil™* Dipper with spade lip design provides maximum digging efficiency.
- Dual Output Planetary Hoist and Swing provide for reduced maintenance as compared to single pinion designs.
- Optimized stress-relieved boom structure maximizes structural life (exclusive feature.)
- The following options are available: *AccessDirect™* Remote Real-Time System Monitoring, MIDAS Production Monitoring and *AccuLoad™* Load Weigh System.

BUCYRUS INTERNATIONAL, INC. For more information, contact your local Bucyrus sales representative or our corporate office located at: 1100 Milwaukee Avenue • P.O. Box 500 • South Milwaukee, WI 53172-0500 • 414.768.4000 • FAX 414.768.4474 • An ISO 9001 Registered Firm.

Visit us on the web at: [www.bucyrus.com](http://www.bucyrus.com) or email: [inquiry@bucyrus.com](mailto:inquiry@bucyrus.com)