



RULMECCA Motorized Pulley

Loads Ships and Helps Boost Alaskan Coal Exports

To revive export of Alaskan steam coal to Korea and other export markets, Alaska Railroad Corporation increased the shiploading rate at the company's 22 year old Seward Loading Facility on Resurrection Bay, Alaska.



Rulmecca 75 HP Motorized Pulley drives the 2,000 TPH shuttle belt transferring coal to 92,000 DWT ships bound for Korea and other export markets.

Funded by a \$9.5 million Federal Railroad Administration grant, ARRC acquired and upgraded the Seward facility to decrease operating costs and boost coal exports. \$1.24 million of the grant was earmarked for inspections, repairs, and improvements. Usibelli Coal began shipping steam coal from its Healy, Alaska mine to the Honam Electric Power Generating Plant in South



Motorized Pulley encloses drivetrain within pulley shell.

Korea in 1984, delivering 12 million tons of coal during that period. Phase One of the Seward conveyor upgrades was completed in 2005 enabling UCM to ship 400,000 tons per year to the Honam Plant using a bottom dump train unloader, bucket wheel stacker reclaimer and ship-loader. Port throughput is 3 MTPY.

Restricted space on the shiploader boom and harsh operating conditions (only 600 miles south of the Arctic Circle) prompted engineers to specify a Rulmecca Motorized Pulley to drive the shuttle conveyor. Since the Motorized



Shiploader shuttle conveyor discharge end.

Pulley has a "narrow footprint" of 24 inch diameter and 47 inch face width, only minor changes were required to remove the old pulley and pillow blocks and exposed motor/gearbox system to accommodate the new drive.



Having visited the Seward facility last year, Mike Gawinski displays his Alaskan coal souvenir at Rulmecca's Wilmington office.

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