APPLICATION BULLETIN

APPLICATION: Coil Transportation Car

INDUSTRY: Hot Strip Steel Mill

PRODUCT: Oil Shear All Electric MagnaShear Motor Brake

COIL TRANSPORTATION CAR

MSB2 or MSB4 MagnaShear ALL ELECTRIC MOTOR BRAKE

PLANETARY GEAR BOX

DRIVE MOTOR

STRIP STEEL COIL

COIL CAR
WHERE THEY ARE USED: The coil transportation car is used at various areas throughout the steel mill where the transportation of wrapped steel coils is required.

HOW THEY WORK: The coil transportation car consists of two separate drive motors with brakes for each rear wheel. The motors are energized and de-energized to move the car throughout the plant. The brakes are used to stop the car during operation and also during loading and unloading of the steel coils.

PROBLEM SOLVED: The existing motor brake requires a special motor adaptor and is open to the dirty mill environment, which can cause improper operation. Unlike dry friction brakes, the Force Control MagnaShear Motor Brake is completely sealed within its own clean environment and its operation is not affected by outside contaminants. The use of the Oil Shear technology in the motor brake also offers an extended lifetime of operation over other types of dry friction motor brakes.

IMPORTANT FEATURES:

- **Oil Shear** technology offers extended operating lifetime over dry friction type motor brakes.

- The totally enclosed sealed MagnaShear all electric motor brake is ideal for operation in the dusty, oily, dirty environment often found in steel mills.

- Long service life with little maintenance and no adjustments.