The advantages of Clutches and Brakes with Oil Shear Technology over the competition.

- **Longer life**—in typical applications it is not unusual to see 5 to 10 times the service life of most competitive products.
- **No Regular Maintenance**—There is no regular maintenance replacing friction discs, pads, or shoes, bearings, O-rings, or coils.
- **No Adjustment—Ever!**—The unique design and Oil Shear Technology eliminate the need for regular adjustment.
- **Quiet Operation**—the combination of Oil Shear Technology and the heavy sealed housings eliminate the sharp noise of engagement and eliminate any squeal of acceleration or deceleration.
- **Higher Cycle Rates**—Oil Shear Technology enables higher cycles rates by continuously removing heat in the friction stack.
- **Less Down Time**—The unique design, high quality components and Oil Shear Technology mean less chance of failure causing unexpected downtime.

*Annual fluid change recommended for maximum performance and life.*

Force Control Clutches and Brakes are ideal choices for many heavy moveable structures such as moveable bridges, stadium roofs, locks, dams or large bulk material handing equipment such as trippers, dumpers, loaders or stacker reclaimers.

Force Control products are designed for heavy duty applications. The solid cast iron or cast aluminum, totally enclosed housings, hold internal parts rigid, resist breaking or cracking, and prevent dust, dirt or moisture from entering the friction area.

Oil Shear Technology, the method of flowing torque transmitting transmission fluid through the friction stack, puts a film of fluid between the friction discs and drive plates during high speed slip that reduces mechanical wear, and removes the heat that degrades the friction materials. This process also lubricates the inner components such as anti friction bearings and splines.
Force Control Brakes Featuring Oil Shear Technology

MagnaShear
Spring Set—Electric Release
Coupler Brake

MagnaShear
Spring Set—Electric Release
Motor Brakes—Blower Motor

MagnaShear
Spring Set—Electric Release
Motor Brake—Encoder

MagnaShear
Spring Set—Electric Release
Low Temp. Motor Brakes

Posistop
Spring Set—Air/Hyd. Release
Motor Brakes

Posistop X Class
Spring Set—Air Release
Motor Brakes

Posistop X Class
Spring Set—Air Release
Custom Air Coupler Brake

Posistop
Spring Set—Air Release
Servo Motor Brake

Positorq
Continuous Slip
Foot Mounted Brakes

Positorq
Dynamic Stop—Continuous Slip
Drawworks Brakes

Positorq
Hold, Dynamic, Continuous Slip
Mooring, Anchor Winch Brakes

Positorq
Forced Lube Cooling Unit
Hydraulic Actuation

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