There has been an ongoing reliability issue with the electric brakes utilized on the PRS hoist carriage and arm linear actuator motors. The main problem area has been corrosion of the internal brake components due to water ingress. Maintenance has also been an issue as these electric brakes were explosion proof for hazardous area use and could only be serviced by the European Supplier.

Benefits of the new brake:
- Protected from the Environment—Totally enclosed and sealed unit prevents contamination; corrosion and failure do to salt water environment.
- Ultra-Quick Response—Engages in less than 10 msec.
- Ease of Installation—“Quick Mount” design means just that, quick and easy mounting to standard NEMA and IEC motors. It comes ready to install. It does not require any disassembly of the brake for installation.
- Easy Maintenance—Normal maintenance requires only periodic checking and maintaining the oil level. A simple method of checking stack wear to predict and schedule maintenance. Easy to overhaul in the field.
- No Adjustment needed—ever.—Designed for the environment

The Solution:
The Posistop Motor Brake is designed with patented oil shear technology for smooth precise stops and long service life. The rugged cast iron totally enclosed housings provide high heat dissipation and protects the multiple friction surfaces from hostile environments.

Where used:
This reliability problem affects the Varco PRS-3, -3i, -4i, -5, -5R and -6i Pipe Handling systems.

Assemblies affected included:
- Hoist Carriage
- Trailing Arm Linear Actuator
- Griping Arm Linear Actuator
- Lower Drive

Force Control Industries, Inc.
Fairfield, Ohio USA
Email: info@forcecontrol.com | Phone: 513-868-0900
Force Control Clutches & Brakes
Featuring Oil Shear Technology

MagnaShear
Spring Set—Electric Release

MagnaShear
Spring Set—Electric Release

MagnaShear
Spring Set—Electric Release

MagnaShear
Spring Set—Electric Release

Posistop
Spring Set—Air/Hyd. Release

Posistop X Class
Spring Set—Air Release

Posistop X Class
Spring Set—Air Release

Posistop
Spring Set—Air Release

Posidyne
High Cycle Air Actuated

Posidyne
Electro-Hydraulic Actuation

Posidyne X Class
Value Engineered Air Actuat-

Posidyne 1.5
Air Actuated Clutch Brake

Call 800-829-3244
www.forcecontrol.com

Force Control Industries, Inc.
3660 Dixie Highway | Fairfield, Ohio 45014 USA
Phone: 513-868-0900  Email: info@forcecontrol.com