



St. Lawrence
A Myles Group Company



St. Lawrence— Troy

Design and Refurbishment of Servo Hydraulic and EHC Equipment

Power Generation Services

Gas Turbines

Servo Hydraulic Actuator & Process Valve Refurbishment

- Moog actuators rebuilt, including:
 - Performance testing
 - Our pricing will save you \$\$\$
 - Fisher or Valtec process valve rebuilt to spec or replaced
 - Actuator and process valve tested as an assembly
- Non-Moog actuators rebuilt to spec
- Moog servo valves rebuilt at Moog:
 - Rebuilt to current Moog engineering specifications
 - All repairs statically and dynamically tested
 - Carry "Same as New" full 2 year factory warranty



**Moog 771/772
Servo Valve**



Moog 743
Replaces Abex 425

GE Large Steam Turbine Servo Hydraulic Systems

Upgrade EHC system with new Moog servo valves that are fit, form and function replacement.

⇒ *The cost of Abex repair is almost as much as Moog new!*



Moog 744
Replaces Abex 450

Siemens Westinghouse Large Steam Turbine Servo Hydraulic Systems

Servo Valves



Upgrade EHC System with New Moog G761 Series

- High performance
- **Carbide Ball Technology**
- New **Moog G761-3600** in stock
- Replace obsolete 76-185, 760-185, 73-185 with Moog G761-3600
- Trade-in **discounts** available

Actuator Repair

- Disassemble and inspect
- Rework or replace all worn parts
- Grind and re-chrome where required
- Replace seals
- Media blast and paint all external parts with EHC fluid-compatible paint
- Test to factory specifications
- 13-month in-service warranty



Pumps

- Disassemble and inspect
- Rebuild to spec: rework and replace all worn parts, including re-chroming and grinding where required
- Replace seals
- Media blast and paint all external parts with EHC fluid-compatible paint
- Performance test to factory specifications
- 13-month in-service warranty
- Includes current and obsolete Vickers PVA 120 pumps



Systems Analysis & Field Services

- Review application; discuss changes, repairs and upgrades
- Root cause failure analysis
- ISO level and filtration analysis
- Preventative maintenance
- Trade-in discount review

Servo Hydraulic Sensors

- **MTS Temposonic** Linear Displacement Transducers (both in-cylinder and external mount)
- **Kobold** Pressure, Flow, and Level Measurement Transducers

Servo Hydraulic Filtration Systems

Design and Build

- To reduce servo valve failure due to contamination of lube oil, use improved "Kidney Loop" filtration system
- Oil can be maintained at ISO 14/11 or better, reducing costly non-scheduled outages
- High performance, large dirt holding capacity, replacement elements to extend element replacement life
- Low micron off-line filtration loops
- Schroeder filtration products' water removal filter elements, analyzers, vacuum dehydrators, etc.
- Services available in addition to hydraulic system used to clean transformer oil:
- Oil analysis products and services
- Filter inventory consolidation

Schroeder Test Mate - ISO Particle Counter

- Online, real time ISO particle count
- Reduce unscheduled outages by monitoring ISO count in real time with alarm functionality



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