



St. Lawrence-Troy, LLC
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Repairing Makes Cents

**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**

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!
- ◆ New Moog 743 valves in stock



**Moog 744
 Replaces Abex 450**

**Moog 743
 Replaces Abex 425**

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



Contact St. Lawrence-Troy today! (800) 521-5772 ♦ dond@st-lawrence.com



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**More
Power Generation
Services**

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 Service

- ♦ 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

Servo Preserver

Moog 760 servo valve mounts directly on the “**Servo Preserver**”, a low micron sandwich filter from **Schroeder Industries** that was designed specifically for the Moog 760 series servo valves

- ♦ High performance, large dirt holding capacity, replacement elements to extend element replacement life
- ♦ Low micron off-line filtration loops

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
- ♦ 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



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