



**St. Lawrence**  
A Myles Group Company



# St. Lawrence—Troy

Free Evaluation 13 Month In-Service Warranty

Design & Remanufacturing of Hydraulic Servo Actuators

## Test Lab Rotary Servo Actuator Remanufacturing

### Remanufacturing Procedure for Fatigue Rated Rotary Actuators

#### 1. INSPECTION

- Inspect actuator for external damage
- Remove servovalve
- Disassemble
- Inspect components for wear and damage
- Determine which seal kit is required; or manufacture seals if obsolete
- Inspect and test rotary encoder
- Take measurements of components



#### 2. QUOTE REBUILD/REPLACEMENT WITH TIME FACTORS

- Actuator rebuild
- Servovalve - Moog factory rebuild or replacement of obsolete servovalve with new Moog test lab valve
- Replacement of rotary encoder when needed



#### 3. REMANUFACTURE COMPONENTS (AS REQUIRED)

- Grind/chrome/grind shaft
- Remove any coating and prepare surfaces
- Bond coating onto wings
- Machine coated surface of wings for exact fit
- Reassemble actuator

#### 4. TEST

- Pressurize actuator and check for internal and external leakage to meet or exceed specifications
- Cycle actuator with servo valve
- Verify proper rotary encoder output and position

#### 5. FINISHING PROCESS

- Degrease, clean and paint actuator
- Ready to ship

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