

# IMPROVED LIFE AND DURABILITY

For Gas Turbine Power Generation Actuators



## CHALLENGE

OEM specifications required that your Gas Valve and IGV Servoactuator withstand 30,000 cycles per year. However, actual cycles taken from operating plants show that a servoactuator may experience a million micro cycles per year resulting in some servoactuators failing prematurely.

## SOLUTION

Improving the reliability of today's Gas Valve and IGV Servoactuators, while meeting demanding operating conditions, requires a new approach to actuator design. The latest Moog actuator for gas valve applications represents a new breed of component design and robust performance. This new design leverages Moog's extensive experience in many demanding applications including single and multiple actuator test systems and long life aircraft actuators.

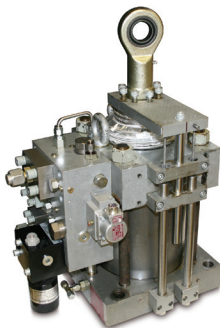
Moog re-engineered our Gas Valve and IGV Servoactuators to provide extended service life between maintenance cycles by adopting field proven material enhancements used on other demanding high cycle applications. We then applied millions of test cycles using actual field motion profiles to validate our design. The new enhanced design will seamlessly replace Gas Valve and IGV Actuators currently in service with our innovative new service program.

## FEATURES OF THE UPGRADE

- Advanced seal technology coupled with proprietary surface finishing requirements enhances seal life and minimizes oil leaks
- High performance surface coating on rods leads to lower abrasion for longer life
- Rod surface hardness to 80 RHC extends seal life

## INNOVATIVE NEW SERVICE PROGRAM

- Rotable inventory available for planned outages or emergencies
- "Short Blocks" actuators that do not include the Process Valve for easy and quick turn-around
- 2 year warranty



**85633C Series**  
Hydraulic Actuator



**80 Series Traditional**  
Hydraulic Actuator

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Linear Electric Servoactuator  
TJW/CDL 26479/0809

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