



Krytox™

Performance Lubricants

Lubricants for Steam Turbine Governor Control

Krytox™ Technology Improves Steam Turbine Governor Control and Reliability

The Problem

Turbine cam shaft or valve lift bar anti-friction bearings, bushings, and gears using conventional lubricants wear, fail, or lock up over time. This causes excessive clearance, rough response, and potential seizing of the governor control, resulting in:

- Operational Issues
 - Turbine downtime
 - Loss of steam feed control
- Maintenance Issues
 - Increased maintenance effort and cost
 - Frequent re-lubrication
 - Employee exposure to extreme component temperatures
 - Failed bearings
 - Oxidation of the conventional lubricant
 - Increased turnaround time to clean, break down, and replace components

The Solution

Krytox™ lubrication technology for turbine governors has been demonstrated to provide the best available equipment performance and lowest available life cycle cost. Krytox™ grease will not oxidize or break down. The benefits include:

- Operational Benefits
 - Improved turbine uptime
 - Improved turbine control
 - Reduced operating expense
- Maintenance Benefits
 - Extended component life
 - Extended re-lubrication interval
 - Safer work environment
 - Reduced effort and cost
- Chemours Benefits
 - Demonstrated in field use for over 7 years
 - Ongoing support to deliver performance and savings
 - Krytox™ grease is formulated to lubricate and protect turbine governor cams, anti-friction bearings, bushings, linkages, and gears
 - Krytox™ grease takes the heat without breaking down
 - Krytox™ grease protects components from vibration and fretting wear

OEM Specifications

Krytox™ lubricant is specified for use by SiemensWestinghouse for mechanical components requiring lubrication in high temperature environments on steam turbine, gas turbine, and generator systems. Refer to Siemens Specifications M-Spec 53701Y6, M-Spec 537001TT, and M-Spec 53701VH.

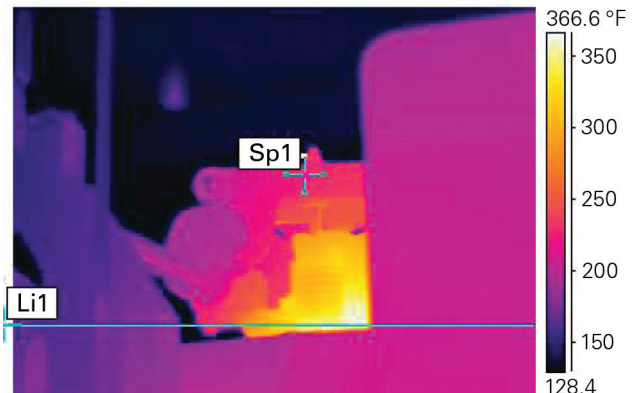
Demonstrated Solutions

For over 20 years, Krytox™ lubrication technology has provided state-of-the-art performance for mechanical systems under harsh conditions. From gearboxes, bearings, and chains—to seals, actuators, valves, and more—Krytox™ lubricants serve the specialized needs of:



- Pulp and paper mills, and converting plants
- Automotive components
- Military and commercial aircraft
- Chemical plants
- Power plants
- Turbine generators and other critical industrial applications.

Steam Turbine Governor Control



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