



marine lubricants

# GST<sup>®</sup> Premium 32



## Description

GST<sup>®</sup> Premium 32 is formulated with premium base oil technology designed to meet the critical demands of HPS (Mitsubishi Hitachi Power Systems), formerly MHI (Mitsubishi Heavy Industries), non-geared gas and steam turbines requiring a MS04-MA-CL002 product. It is suitable for use in gas and steam turbines where extreme temperatures are experienced and require circulation systems with high temperature stability.

GST Premium turbine oil combines highly refined group II base stocks and unique additive package minimizing the formation of deposits in reservoirs, high temperature bearings and other hot areas of the turbine.

## Typical Characteristics

MPID	219345
Flash Point, °C	224
Pour Point, °C	-14
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	31.5
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	5.4
Viscosity Index	105
Copper Corrosion	1b
Oxidation Stability, TOST life, hrs. to 2.0 Acid No.	1.4
RPVOT, mins	10,000
Total Oxidation Product (TOP), m %	1,500

## Recommended Applications

GST Premium 32 is formulated to meet the critical demands of non-geared gas, steam and hydroelectric turbine bearing lubrication and R&O service in marine reduction gears. They are additionally suitable for industrial severe service requiring an R&O, ISO 32 circulating oil with extended service capability.

### GST Premium 32 Is Approved For:

- ✓ **Alstom** HTGD 90117 (for non-geared turbines)
- ✓ **Mitsubishi Hitachi Power Systems** MS04-MA-CL002
- ✓ **Siemens** TLV 901304 and TLV 901305

### GST Premium 32 Meets The Requirements Of:

- ✓ **ANSI/AGMA** 9005-E02 R&O,
- ✓ **ASTM D4304** Type 1
- ✓ **British Standard** 489:1999
- ✓ **DIN** 51515/1 and 51515/2
- ✓ **General Electric** (GEK-32568j, GEK-28143b, GEK-27070 and GEK-46506e)
- ✓ **ISO** 8068 L-TGA
- ✓ **MAN Diesel**
- ✓ **Turbo TQLT2 and Solar Turbine** ES 9-224 Class II



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### Performance Benefits

#### 1. Exceptional Oxidation and Thermal Stability

Provides long service life at severe temperatures with minimal Deposit Formation as dictated by the stringent MHPS MS04-MA-CL001 / CL002 specification. Formulated with premium base oil technology and an ash less, zinc-free formulation.

#### 2. Rust and Corrosion Protection

Helps ensure minimum viscosity change when variations in temperature occur.

#### 3. High Viscosity Index

Aims to protect against corrosion or rusting of costly precision parts.

#### 4. Minimum Foaming

Helps prevent sump overflow or erratic governor operation.

#### 5. Fast Air Release

Helps to minimize possibility of pump cavitation in systems with high circulation rates and lesser residence time.

#### 6. Rapid Water Separation

Facilitates water removal.

#### 7. Hydraulic Fluid Service

For systems requiring an ISO 32 viscosity oil and pressures not exceeding 1000 psi.

#### 8. Air Compressor Lubricant

For systems requiring an ISO 32 viscosity R&O oil.



**Disclaimer.** Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Recommendations differ between engine manufacturers so always consult your manual. Neither Chevron nor its subsidiaries make any warranty or representation as to the accuracy or completeness of this PDS and neither Chevron nor its subsidiaries accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS. (March 2019)