



Mobil DTE™ 732 M
Mobil Industrial, United States

Premium Gas & Steam Turbine Lubricating Oil

Product Description

Mobil DTE™ 732 M is next generation high performance turbine oil designed for use in Mitsubishi Heavy Industry (MHI) non-geared Single Shaft Heavy Duty Gas & Steam Turbines and Multi Shaft Gas Turbines. This product meets MHI's requirements for long life – high temperature turbine applications, MS04-MA-CL005, through high quality base oils and additive system designed to provide long oil life. Mobil DTE 732 M also meets the requirements of MS04-MA-CL001 and CL002.

Features and Potential Benefits

- Excellent chemical and oxidation stability help reduce maintenance downtime and costs by contributing to system cleanliness and deposit reduction, which can enable long oil and filter life
- High resistance to foaming and rapid air release prevent pump cavitation, noisy and erratic operation, which can help reduce pump replacement and increase pump efficiency
- Reduces varnish formation potential, which can help to increase turbine operation reliability and reduce maintenance costs

Applications

Mobil DTE 732 M is a high performance turbine oil designed for use in non-geared gas & steam turbine and turbine compressor applications. Specific applications include:

- Steam Turbines – all non-geared
- Gas Turbines – all non-geared, including 501F & G series, 701F & G Series
- Turbine Compressors – all non-geared

Specifications and Approvals

Mobil DTE 732 M is approved by MHI and meets or exceeds the requirements of:	
MS04-MA-CL001	X
MS04-MA-CL002	X
MS04-MA-CL005	X

Typical Properties

Mobil DTE 732 M	
ISO Viscosity Grade	32
Viscosity, ASTM D 445	
cSt @ 40° C	31.3
cSt @ 100° C	5.8
Viscosity Index, ASTM D 2270	131
Pour Point, °C, ASTM D 97	-15
Flash Point, °C, ASTM D 92	233
TOST, ASTM D 943, Hours to 2 NN	8376
RPVOT, ASTM D 2272, min.	2000
Rust Prevention, ASTM D 665	
Distilled Water	Pass
Sea Water	Pass
Copper Strip Corrosion, ASTM D 130,3 hrs @ 100° C	1B
Foam Test, ASTM D 892	
Sequence I, tendency/stability, ml/ml	15/0
Sequence II, tendency/stability, ml/ml	5/0
Sequence III, tendency/stability, ml/ml	10/0
Water Separability, ASTM D 1401, time to 3ml emulsion	10
Air Release, ASTM D 3427, mins	2

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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