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Mobil DTE™ 732 M2

Mobil Industrial, Egypt

Premium Gas & Steam Turbine Lubricating Oil

Product Description

Mobil DTE[™] 732 M2 is next generation high performance turbine oil designed for use in Mitsubishi Heavy Industry (MHI) non-geared Single Shaft Heavy Duty Steam Turbines and Multi Shaft Gas Turbines, including turbines equipped with PEEK bearings. This product meets MHI's requirements for long life – high tempe turbine applications, MS04-MA-CL005 (Rev. 2), through high quality base oils and additive system designed to provide long oil life. Mobil DTE 732 M2 also mer requirements of MS04-MA-CL001 and CL002.

Features and Benefits

- Excellent chemical and oxidation stability help reduce maintenance downtime and costs by contributing to system cleanliness and deposit reduction, which can 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 efficiency
- · Reduces varnish formation potential, which can help to increase turbine operation reliability and reduce maintenance costs

Applications

Mobil DTE 732 M2 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

This product has the following approvals:
Mitsubishi Power Ltd MS04-MA-CL005(Rev.2)
Mitsubishi Power Ltd MS04-MA-CL001(Rev.4)
Mitsubishi Power Ltd MS04-MA-CL002(Rev.4)

This product meets or exceeds the requirements of:

JIS K-2213 Type 2

Properties and Specifications

Property	
Grade	ISO 32
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	5.8

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inematic Viscosity @ 40 C, mm2/s, ASTM D445 31.0 iscosity Index, ASTM D2270 131 lash Point, Cleveland Open Cup, °C, ASTM D92 233 iour Point, °C, ASTM D97 -15 urbine Oil Stability Test, Life to 2.0 mg KOH/g, h, ASTM D943 10000 iotating Pressure Vessel Oxidation Test, min, ASTM D2272 2000 tust Characteristics, Procedure B, ASTM D665 PASS iopper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 18 ioam, Sequence I, Tendency, ml, ASTM D892 00 ioam, Sequence II, Tendency, ml, ASTM D892 00 ioam, Sequence II, Stability, ml, ASTM D892 00 ioam, Sequence II, Stability, ml, ASTM D892 01 ioam, Sequence III, Tendency, ml, ASTM D892 10 ioam, Sequence III, Tendency, ml, ASTM D892 10	Decearts:	
Issosity Index, ASTM D2270 Islash Point, Cleveland Open Cup, °C, ASTM D92 Islash Point, Cleveland Open Cup, °C, ASTM D92 Islash Point, °C, ASTM D97 Islash Point, °C,	Property	
lash Point, Cleveland Open Cup, °C, ASTM D92 four Point, °C, ASTM D97 -15 urbine Oil Stability Test, Life to 2.0 mg KOH/g, h, ASTM D943 fout Characteristics, Procedure B, ASTM D2272 cust Characteristics, Procedure B, ASTM D665 fopper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 foam, Sequence I, Tendency, ml, ASTM D892 foam, Sequence II, Stability, ml, ASTM D892 foam, Sequence II, Tendency, ml, ASTM D892 foam, Sequence III, Tendency, ml, ASTM D892	Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	31.0
rour Point, °C, ASTM D97 -15 urbine Oil Stability Test, Life to 2.0 mg KOH/g, h, ASTM D943 10000 totating Pressure Vessel Oxidation Test, min, ASTM D2272 2000 tust Characteristics, Procedure B, ASTM D665 RASS topper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 18 oam, Sequence I, Tendency, ml, ASTM D892 0 oam, Sequence II, Tendency, ml, ASTM D892 0 oam, Sequence III, Tendency, ml, ASTM D892 0 oam, Sequence III, Tendency, ml, ASTM D892 10 oam, Sequence III, Tendency, ml, ASTM D892 10 oam, Sequence III, Tendency, ml, ASTM D892	Viscosity Index, ASTM D2270	131
turbine Oil Stability Test, Life to 2.0 mg KOH/g, h, ASTM D943 totating Pressure Vessel Oxidation Test, min, ASTM D2272 2000 tust Characteristics, Procedure B, ASTM D665 topper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 18 oam, Sequence I, Tendency, ml, ASTM D892 oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Stability, ml, ASTM D892 oam, Sequence II, Stability, ml, ASTM D892 oam, Sequence III, Tendency, ml, ASTM D892 oam, Sequence III, Tendency, ml, ASTM D892 10	Flash Point, Cleveland Open Cup, °C, ASTM D92	233
totating Pressure Vessel Oxidation Test, min, ASTM D2272 2000 PASS Topper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 18 Doam, Sequence I, Tendency, ml, ASTM D892 Doam, Sequence II, Stability, ml, ASTM D892 Doam, Sequence III, Tendency, ml, ASTM D892	Pour Point, °C, ASTM D97	-15
Aust Characteristics, Procedure B, ASTM D665 Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 1B oam, Sequence I, Tendency, ml, ASTM D892 oam, Sequence I, Stability, ml, ASTM D892 oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Stability, ml, ASTM D892 oam, Sequence III, Tendency, ml, ASTM D892 10	Turbine Oil Stability Test, Life to 2.0 mg KOH/g, h, ASTM D943	10000
topper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 18 oam, Sequence I, Tendency, ml, ASTM D892 oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Stability, ml, ASTM D892 oam, Sequence III, Tendency, ml, ASTM D892 10	Rotating Pressure Vessel Oxidation Test, min, ASTM D2272	2000
oam, Sequence I, Tendency, ml, ASTM D892 oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Stability, ml, ASTM D892 oam, Sequence III, Tendency, ml, ASTM D892 oam, Sequence III, Tendency, ml, ASTM D892	Rust Characteristics, Procedure B, ASTM D665	PASS
oam, Sequence I, Stability, ml, ASTM D892 oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Stability, ml, ASTM D892 oam, Sequence III, Tendency, ml, ASTM D892 10	Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	1B
oam, Sequence II, Tendency, ml, ASTM D892 oam, Sequence II, Stability, ml, ASTM D892 oam, Sequence III, Tendency, ml, ASTM D892 10	Foam, Sequence I, Tendency, ml, ASTM D892	30
oam, Sequence II, Stability, ml, ASTM D892 oam, Sequence III, Tendency, ml, ASTM D892 10	Foam, Sequence I, Stability, ml, ASTM D892	0
oam, Sequence III, Tendency, ml, ASTM D892	Foam, Sequence II, Tendency, ml, ASTM D892	0
	Foam, Sequence II, Stability, ml, ASTM D892	0
oam, Sequence III, Stability, ml, ASTM D892	Foam, Sequence III, Tendency, ml, ASTM D892	10
	Foam, Sequence III, Stability, ml, ASTM D892	0
mulsion, Time to 3 mL Emulsion, 54 C, min, ASTM D1401	Emulsion, Time to 3 mL Emulsion, 54 C, min, ASTM D1401	10
ir Release, 50 C, min, ASTM D3427	Air Release, 50 C, min, ASTM D3427	2

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.as All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

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ExxonMobil Egypt (S.A.E.)

1097 Cornish El-Nil, Garden City, Cairo, Egypt

You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: https://www.global.mobil.com/en/contact-us

+ 20 2 795 4850/60

http://www.exxonmobil.com

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

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