

ExxonMobil Light Mobil DTE Oil Named Series

Category : Fluid , Lubricant

Material Notes:

The Mobil DTE Oil Named Series of lubricants are premium performance circulating lubricants designed for applications including steam and hydro turbine sets and other systems where long lubricant service life is required. Mobil DTE Oil Named Series lubricants are formulated from highly refined base stocks and an additive system which provide an extremely high level of chemical and thermal stability, rapid and complete separation from water and a high resistance to emulsification. They provide excellent protection against rust and corrosion, including resistance to salt water, and good antiwear properties. They have a high viscosity index which ensures minimum variation of film thickness with temperature and minimum power loss during the warm up period. These grades have excellent air release properties which allow entrained air to separate, thus avoiding pump cavitation and erratic operation. Mobil DTE Oil Named are the lubricants of choice for many users because of their reputation for long life, excellent equipment protection and outstanding versatility in the wide variety of industrial applications. DTE Oil Named lubricants are used widely in steam turbines and hydroturbines with splash, bath and ring-oiling arrangements, and all other continuous circulation methods involving pumps, valves and ancillary equipment. This product series is recommended for continuous service in the lubrication of plain and rolling bearings and parallel shaft gearing. They have also been used successfully in some gas turbine and rotary air compressor applications, as well as vacuum pumps. Their reputation is based on many decades of successful service and satisfied users. The Mobil DTE Oil Named Series of lubricants are premium performance circulating lubricants designed for applications where long lubricant service life is required. Specific applications include: Land-based and marine steam turbine, hydro turbine and some gas turbine circulation systems, including pumps, valves and other ancillary equipment; Continuous service in plain and roller bearings and parallel shaft gearing; Turbines with oil supplied by splash, bath, ring oiling or other mechanical means; Moderate severity hydraulic pumps; Compressors and vacuum pumps handling air and inert gases, and with discharge temperatures not exceeding 150C

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http://www.lookpolymers.com/polymer_ExxonMobil-Light-Mobil-DTE-Oil-Named-Series.php

Physical Properties	Metric	English	Comments
Density	0.850 g/cc @Temperature 15.0 °C	0.0307 lb/in ³ @Temperature 59.0 °F	ASTM D4052
Viscosity Measurement	102	102	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	31 cSt	31 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.5 cSt	5.5 cSt	ASTM D445
Oxidative Stability	5000 hour	5000 hour	Turbine Oil Stability Test (TOST); ASTM D943

Thermal Properties	Metric	English	Comments
Pour Point	-18.0 °C	-0.400 °F	ASTM D97
Flash Point	218 °C	424 °F	ASTM D92

Descriptive Properties	Value	Comments
Air Release, ASTM D3427, minutes	2	@ 50°C
Copper Strip Corrosion	1B	24 hrs @ 121°C
Demulsibility Time (min)	15	to 3 mL emulsion @ 54°C
Foam Sequence I, ASTM D975	20/0	
FZG Scuffing, DIN 5182, A/8.3/90, Fail Stage	8	
Rust Prevention, Distilled Water	pass	ASTM D665A
Rust Prevention, Synthetic Sea Water	pass	ASTM D665B

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