

## ExxonMobil 832 Mobil DTE 800 Series

Category : Fluid , Lubricant

**Material Notes:**

Mobil DTE 832 and 846 are superior performance turbine oils designed for use in steam turbines, gas turbines and combined cycle gas turbine (CCGT) applications under the most severe operating conditions. These progressive products are based on high quality hydrotreated basestocks for exceptional thermal/oxidation resistance along with specially chosen additives engineered to provide the deposit control and "keep-clean" performance required by severe duty gas turbines as well as excellent water separability needed for steam turbine operation. The formulations also include a non-zinc antiwear system to meet the load carrying requirements of geared turbines. In addition to meeting the separate requirements of modern steam and gas turbine designs, Mobil DTE 800 Series are excellent choices for combined cycle applications that require a single oil for a gas turbine and a steam turbine run in tandem. Simultaneously meeting both deposit control and water separation requirements is the key performance highlight of this advanced lubricant technology. The excellent thermal/oxidative resistance of Mobil DTE 832 and 846 ensures that they can be operated in the most severe turbine environments. The performance features of Mobil DTE 800 Series oils translate into excellent equipment protection, reliable operation, with reduced down-time and extended oil charge life. These products also provide the ultimate flexibility to the operator because they can be used in all turbine types: steam, gas and geared-turbines. Mobil DTE 832 and 846 are superior performance turbine oils designed for use in steam and gas turbine oil systems, direct- or gear-coupled and turbine speed control mechanisms. Specific applications include: Combined cycle (CCGT) electric power generation applications including those with a common circulation system for the steam turbine and gas turbine; Lubrication of steam turbine or gas turbine units used for electric power generation, natural gas pipeline transmission, process operations and cogeneration plants

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-832-Mobil-DTE-800-Series.php](http://www.lookpolymers.com/polymer_ExxonMobil-832-Mobil-DTE-800-Series.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.860 g/cc	0.860 g/cc	15.6°C; ASTM D4052
Viscosity Measurement	110	110	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	29.6 cSt	29.6 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.4 cSt	5.4 cSt	ASTM D445
Oxidative Stability	1200 hour	1200 hour	Rotating Bomb Oxidation Test (RBOT); ASTM D2272
	>= 10000 hour	>= 10000 hour	Turbine Oil Stability Test (TOST); ASTM D943

Thermal Properties	Metric	English	Comments
Pour Point	-30.0 °C	-22.0 °F	ASTM D97
Flash Point	224 °C	435 °F	ASTM D92

Descriptive Properties	Value	Comments
Air Release, ASTM D3427, minutes	2	@ 50°C
Copper Strip Corrosion	1A	3 hrs @ 100°C
Demulsibility Time (min)	15	to 3 mL emulsion @ 54°C
Foam Sequence I, ASTM D970	20/0	
Foam Sequence II, ASTM D893	20/0	
Foam Sequence III, ASTM D893	20/0	
FZG Scuffing, DIN 5182, A/8.3/90, Fail Stage	9	
Rust Prevention, Distilled Water	pass	ASTM D665A
Rust Prevention, Synthetic Sea Water	pass	ASTM D665B

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