

ExxonMobil Teresstic 100

Category : Fluid , Lubricant

Material Notes:

TERESSTIC is the brand name for a line of long-service-life lubricating oils that have ranked for over five decades among the finest products of their kind. Continually improved over the years, TERESSTIC oils are formulated with carefully selected base stocks and highly effective additives, including oxidation and rust inhibitors and anti-foam agents. The TERESSTIC line of premium circulating oils consists of nine viscosity grades. Eight of these grades are blended to viscosity values that conform to the International Organization for Standardization (ISO) viscosity classification system. TERESSTIC 77 is an intermediate grade between ISO viscosity grades 68 and 100. TERESSTIC oils are the primary recommendation for applications that require clean, dependable lubrication for extended service periods – often for years. They effectively resist high temperatures, prevent rust, and shed entrained water and air. Because the quality of TERESSTIC oils is especially apparent at sustained high temperatures and other adverse operating conditions, they are the prime lubricant recommendation for mild duty industrial gas turbines that require mineral lubricating oils. In addition, TERESSTIC oils give outstanding performance in hydraulic systems, circulating lubrication systems, gear cases, bearings, and other industrial units, where an RandO lubricant is required, for which long trouble-free service is required. Their high flash points suit TERESSTIC oils for use as heat transfer fluids in open systems. TERESSTIC 32 and 46 – These grades are formulated for applications where a premium quality grade 32 or 46 lubricant is required, but where service conditions are not severe enough to require the super-premium qualities of TERESSTIC GT 32 and 46. TERESSTIC 32 and 46 are of the same high quality as the heavier TERESSTIC grades and provide excellent performance in mild duty applications. Contamination of TERESSTIC oils with other products such as detergent motor oils may substantially impair their quality and could lead to operational problems such as foaming, filter plugging and sludge formation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Teresstic-100.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.887 g/cc	0.887 g/cc	15.6°C; ASTM D1298
API Gravity	28 °	28 °	15.6°C; ASTM D1298
Viscosity Measurement	97	97	Index; ASTM D2270
Saybolt Viscosity at 100°F	516 SUS	516 SUS	
Saybolt Viscosity at 210°F	64.4 SUS	64.4 SUS	
Kinematic Viscosity at 40°C (104°F)	100 cSt	100 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	11.1 cSt	11.1 cSt	ASTM D445
Oxidative Stability	1500 hour	1500 hour	Turbine Oil Stability Test (TOST); ASTM D943

Thermal Properties	Metric	English	Comments
Pour Point	-12.0 °C	10.4 °F	ASTM D97

Flash Point Thermal Properties	261 °C Metric	502 °F English	ASTM D92 Comments
Descriptive Properties			
Copper Strip Corrosion		1B	3 hrs @ 100°C
Demulsibility Time (min)		10	to 3 mL emulsion @ 82°C
Foam Sequence I, ASTM D963		0/0	
Foam Sequence II, ASTM D893		30/0	
Foam Sequence III, ASTM D893		0/0	
Neutralization Number, ASTM D974		0.06	
Rust Prevention, Distilled Water		pass	ASTM D665A
Rust Prevention, Synthetic Sea Water		pass	ASTM D665B

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