Mobil

Teresstic Series

Mobil Industrial , Colombia

Circulating Oils

Product Description

TERESSTIC is the brand name for a line of long-service-life lubricating oils, TERESSTIC oils are formulated with carefully selected base stocks and effective additives, including oxidation and rust inhibitors and anti-foam agents.

The TERESSTIC line of circulating oils consists of nine viscosity grades. Eight of these grades are blended to viscosity values that conform to the Intern Organization for Standardization (ISO) viscosity classification system. TERESSTIC 77 is an intermediate grade between ISO viscosity grades 68 and 10(

Features and Benefits

Demulsibility – As water is perhaps the major menace to effective lubrication, it is essential that industrial circulating oils exhibit good demulsibi TERESSTIC grades shed water readily and are highly resistant to emulsification. These properties promote water separation in the reservoir, thus kee from recirculating with the oil. TERESSTIC oils (ISO VGs 32 - 100) typically provide separation times of 15 minutes or less on the standard ASTM D Demulsibility Test.

Foam Resistance and Air Release – The trend toward shorter residence time for oils in reservoirs makes it essential that industrial circulating oils foaming and readily eliminate entrained air. All TERESSTIC grades contain foam inhibitors.

Rust and Corrosion Protection – TERESSTIC oils are formulated with rust inhibitors. Grades 32 through 100 pass both distilled and salt water versi ASTM D 665. The heavier grades are tested in the distilled water version only. The TERESSTIC line also passes the ASTM copper strip corrosion test, as protection of copper and bronze.

In summary, TERESSTIC circulating oils offer the following features and benefits:

- Excellent demulsibility
- Well balanced foam resistance and air release
- Rust- and oxidation-inhibited
- Long service life
- Excellent high-temperature stability
- For mild duty turbines, hydraulic systems, circulating systems, gear cases, heat transfer systems, and reciprocating natural gas compressors
- Complete range of ISO viscosity grades for all requirements

Applications

TERESSTIC oils are recommended for applications that require dependable lubrication for extended service periods – often for years. They effectivel high temperatures, prevent rust, and shed entrained water and air. TERESSTIC oils give outstanding performance in hydraulic systems, circulating lubr systems, gear cases, bearings, reciprocating natural gas compressors, and other industrial units, where a RandO lubricant is required, for whic trouble-free service is required.

Contamination of TERESSTIC oils with other products such as detergent motor oils may substantially impair their quality and could lead to oper problems such as foaming, filter plugging and sludge formation

Properties and Specifications

Property	77	32	46	68	100	150	220	320	46
Grade	77	ISO 32	ISO 46	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO
Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	1B	1B	1B	1B	1B	1B	1B	1B	1B
Demulsibility, Time to 3 mL Emulsion, 82 C, min, ASTM D1401					15				30
Emulsion, Time to 3 mL Emulsion, 54 C, min, ASTM D1401	20	15	15	20					
Emulsion, Time to 3 mL Emulsion, 82 C, min, ASTM D1401						30	30	30	
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	9.3	5.3	6.6	8.5	11.1	14.5	18.8	24	30
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	77	32	46	68	100	150	220	320	46
Neutralization Number, mgKOH/g, ASTM D974	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.0
Pour Point, °C, ASTM D97	-12 (10)	-21(-6)	-12 (10)	-12(10)	-12(10)	-12(10)	-12(10)	-12(10)	-12
Rust Characteristics, Procedure A, ASTM D665	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PA
Rust Characteristics, Procedure B, ASTM D665	PASS	PASS	PASS	PASS	PASS				
Viscosity Index, ASTM D2270	95	96	95	95	95	95	95	95	95

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.aspx

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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 p performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to c without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this docun intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with th ExxonMobil-affiliate entities.

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