

ExxonMobil Mobil Vaculine 546

Category : Fluid , Lubricant

Material Notes:

Mobil Vaculine 500 Series are extra high performance heavy duty circulating oils specifically designed to meet the critical requirements of the Morgan Construction Company's high speed No-Twist® Rod Mills, manufactured by Morgan Construction Company. These circulating oils are also designed to meet the requirements of Danieli rod mills. They are also suitable for the rolling mill circulation systems of primary and mini-mill bearings. They are formulated from high quality base stocks and a proprietary additive system to provide enhanced film strength, anti-wear and anti-scuff properties. The oils have good wettability and provide extra oil retention and thin film protection against rust and corrosion on gears, shafts, bearings, adjusting screws and all housing sections. Mobil Vaculine 500 Series have excellent antiwear properties that eliminates scuffing and scoring of high-speed gearing, particularly important in non-ferrous rod mills where the gears are more heavily loaded. The Mobil Vaculine 500 Series possess good demulsibility that is retained under conditions of severe water contamination. Mobil Vaculine 500 Series products enjoy strong support from equipment builders, and their exceptional performance over many decades, have made them the lubricant of choice of many mill operators, world-wide. Mobil Vaculine 500 Series lubricants are recommended for use in both ferrous and non-ferrous Morgan Construction Company No-Twist® Rod Mills and Morgoil® back-up roll bearing systems. For optimum performance, appropriate viscosity oils should be selected according to the loading and for operations without hydrostatic lift. Mobil Vaculine 525 is recommended for service in the single circulating oil system of high-speed rod mills. Such mills operate at speeds greater than 105 m/sec, with speeds of over 120 m/sec being projected in the future. These mills operate under severe loads in the presence of continuous water contamination. The balanced formulation of Mobil Vaculine 525 enables extended trouble-free rod production to be achieved. The remaining grades in the Mobil Vaculine 500 Series are recommended for the Morgan Construction Company No-Twist® Rod Mills, which have two lubrication systems. The higher viscosity oils are used in the roughing stands, while the lower viscosity grades are used in the higher-speed finishing stands.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Vaculine-546.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	15.6°C; ASTM D1298
Viscosity Measurement	95	95	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	436 cSt	436 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	29.4 cSt	29.4 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	-15.0 °C	5.00 °F	ASTM D97
Flash Point	286 °C	547 °F	ASTM D92

Descriptive Properties	Value	Comments
Copper Strip Corrosion	1A	3 hrs @ 100°C

Descriptive Properties	Value	Comments
Demulsibility, ASTM D2711, mL water	35	Non-EP Oils
Foam Sequence I, ASTM D948	0/0	
Foam Sequence II, ASTM D893	0/0	
Foam Sequence III, ASTM D893	0/0	
FZG Gear Test, DIN 51534, Fail Stage	12	
Rust Prevention, Distilled Water	pass	ASTM D665A
Rust Prevention, Synthetic Sea Water	pass	ASTM D665B

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