

ExxonMobil Mobil Vaculine 146

Category : Fluid , Lubricant

Material Notes:

The Mobil Vacuoline 100 range is a series of extra high quality circulating system oils primarily intended for the lubrication of plain bearings in systems designed for full fluid lubrication, particularly those subjected to heavy water contamination, such as may be used for back-up roll bearings in metal rolling mills. Specifically, they meet the requirements for Morgoil rolling mill bearings including the Morgan "super demulsibility" advanced lubricant specification. The Mobil Vacuoline 100 Series oils are formulated from high quality base stocks and additives to provide outstanding water separation ability, good resistance to thermal degradation and oxidation, and protection against rust and corrosion. The Mobil Vacuoline 100 Series oils are resistant to the formation of emulsion and sludge. Consequently the oils can contribute to cleaner systems and filters. Also solid contaminants separate readily for easy cleaning by centrifuge, filtration or settling. The Mobil Vacuoline 100 Series possess a high viscosity index and good demulsibility that is retained under conditions of severe water contamination and are recommended for both single and dual tank circulation systems. Mobil Vacuoline 100 Series oils are the choice of rolling mill operators worldwide. They enjoy strong support of key equipment builders including Morgan Construction Company, Worcester, MA, USA. Mobil Vacuoline 100 Series oils are primarily recommended and used almost exclusively for rolling mill applications. The oils are suitable for: Back-up roll bearings of rolling mills, particularly Morgoil bearing systems, where either a single or dual tank is employed; Other full fluid bearing systems and similar type applications in other industries, particularly where the bearings are subjected to heavy water contamination

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http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Vaculine-146.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	15°C; ASTM D4052
Viscosity Measurement	95	95	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	460 cSt	460 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	30.1 cSt	30.1 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	-6.00 °C	21.2 °F	ASTM D97
Flash Point	296 °C	565 °F	ASTM D92

Descriptive Properties	Value	Comments
Copper Strip Corrosion	1B	3 hrs @ 100°C
Demulsibility Time (min)	30	to 3 mL emulsion @ 82°C
Demulsibility, ASTM D2711, mL water	41	Non-EP Oils
Foam Sequence I, ASTM D953	0/0	

Descriptive Properties	Value	Comments
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