

ExxonMobil 320 Mobil SHC PM Series

Category : Fluid , Lubricant

Material Notes:

Mobil SHC PM Series products are supreme performance synthetic lubricants specifically designed for the most demanding industrial paper machine circulating systems. They are engineered to provide exceptional lubrication characteristics not attainable with conventional premium mineral oil-based fluids. The Mobil SHC PM Series oils are formulated to provide maximum protection of gears and bearings operating under the most severe conditions. They have very low pour points and a naturally high viscosity index (VI) which helps ensure good low temperature start-up while maintaining excellent viscosity characteristics at very high temperatures. The fluids are very shear stable and maintain viscosity control even when subjected to severe mechanical shear in heavily loaded bearings and gears. Their low traction coefficient and high viscosity index can help result in lower energy consumption and reduced component operating temperatures. Mobil SHC PM Series oils are formulated with synthesised hydrocarbon fluid (SHF) base oil technology and a proprietary additive system carefully balanced to attain high performance standards. These fluids permit the use of higher steam pressures, temperatures and machine speeds common in high output paper machines and calendar rolls. Their outstanding hydrolytic stability and filterability assure excellent performance in the presence of water and the ability to retain effective filtration even at very fine filtration levels. They readily separate water and retain their colour characteristics for extended periods of operation under severe conditions. Lubrication of severe industrial paper machine circulating systems; Application involving circulation systems operating over a wide temperature range such as calendar rolls; Systems that must be started and brought on line quickly; Circulation systems lubricating gears and bearings

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http://www.lookpolymers.com/polymer_ExxonMobil-320-Mobil-SHC-PM-Series.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.865 g/cc	0.865 g/cc	15°C; ASTM D1298
Viscosity Measurement	>= 135	>= 135	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	325 cSt	325 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	34.7 cSt	34.7 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	<= -33.0 °C	<= -27.4 °F	ASTM D97
Flash Point	>= 220 °C	>= 428 °F	ASTM D92

Chemical Properties	Metric	English	Comments
Total Acid Number	0.00	0.00	Hydrolytic Stability (Acid Number Change), mgKOH/g; ASTM D2619

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

Demulsibility Time (min) Descriptive Properties	30 Value	to 3 ml. emulsion @ 82°C Comments
FZG 4-Square Load Support, DIN 51354, Fail Stage	11	
Rust Prevention, Distilled Water	pass	ASTM D665A
Rust Prevention, Synthetic Sea Water	pass	ASTM D665B

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