

ChevronTexaco ISO 220 Marine Oil E

Category : Fluid , Lubricant

Material Notes:

Features Chevron Marine Oils E are formulated using a blend of high grade, medium viscosity index base oils and carefully balanced additive package to meet the crankcase need of marine steam engines. The base oils are compounded to emulsify readily with water and to form a rich creamy emulsion which lubricates the crosshead bearings, crankshaft bearings, and guides. Historically, whale oil was used as the emulsifying agent. Since whale oil is no longer available, synthetic rape speed oil is used. Chevron Marine Oils E are designed to meet the critical demands of plain bearing and pump piston rod lubrication in a wet environment. To achieve this, the oil is formulated to use the moisture or steam condensate from the cylinders as a part of the lubricant. This is accomplished by using an emulsifying agent in the oil which mixes with the moisture, forming a rich creamy emulsion. This lathering action resists the washing effect of the saturated steam and lubricates the bearings and guides in reciprocating engines. Applications Chevron Marine Oils E ISO 150 and 220 differ mainly in the amount of emulsifying agent used. Chevron Marine Oil E ISO 150 and 10% emulsifying agent an Chevron Marine Oil E ISO 220 has 15%. These oils can feed readily through wicks or a drop feed oiler. In other cases, they are poured from an oil can into a "pot" on the crosshead or crankshaft bearing where condensate condenses down from the steam cylinder above, emulsifies with the oil, and lubricates the bearings. Chevron Marine Engine Oils E can be used as marine stern tube lubricants where oils complying with MIL-L-15019E Symbols 4065 an 6135 are required. MIL-L-15019E specifies emulsifying type lubricants. Do not use Chevron Marin Oils E where the OEM requires a nonemulsifying oil, as is the case with some types of stern tubes. Chevron Marine Oils E can be used for the lubrication of air tools where excessive moisture is present and where a medium viscosity oil, similar in compounding to steam cylinder oil, is required. Chevron Marine Oils E are authorized by USDA for use in federally inspected meat and poultry plants as H2 lubricants with no food contact.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ChevronTexaco-ISO-220-Marine-Oil-E.php

Physical Properties	Metric	English	Comments
API Gravity	20 °	20 °	
Viscosity Measurement	80	80	Viscosity Index; ASTM D2270
Saybolt Viscosity at 100°F	1113 SUS	1113 SUS	
Saybolt Viscosity at 210°F	86 SUS	86 SUS	
Kinematic Viscosity at 40°C (104°F)	209 cSt	209 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	16.5 cSt	16.5 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	-18.0 °C	-0.400 °F	ASTM D97
Flash Point	219 °C	426 °F	ASTM D92

Descriptive Properties	Value	Comments
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Emulsifying Agent %
Descriptive Properties

15
Value

Comments

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