

ConocoPhillips Conoco® El Mar® Geo Low Ash Oil, SAE Viscosity Grade 15W-40

Category : Fluid , Lubricant

Material Notes:

Conoco® El Mar GEO Oil is a high-quality, non-detergent, ashless gas engine oil designed primarily for use in Ajax 2-stroke cycle natural gas engines. The SAE 15W-40 viscosity grade meets the low-temperature viscosity requirements of Ajax engines where cold starts and frequent start/stop cycles may be encountered. El Mar GEO Oil is formulated to provide excellent resistance to oxidation and nitration, protect against ring and liner wear, minimize the formation of sludge and piston deposits for excellent engine cleanliness, and protect against corrosion. The absence of ash-forming additives results in clean intake ports to help maintain peak engine performance, and also helps extend spark plug life in spark-ignited gas engines. This oil is formulated to meet the requirements of gas engines equipped with exhaust after treatment devices. Applications: 2 Cooper-Ajax 2-stroke cycle natural gas engines (SAE 15W-40) Older, horizontal-type 2-stroke cycle natural gas engines, such as those manufactured by Cooper-Bessemer and Worthington (SAE 30/40) El Mar GEO Oil is approved for use under the following OEM specification: DuPont Specification A4V4 Features/Benefit: Ashless formulation helps minimize port deposits Protects against sludge and varnish formation Excellent resistance to oxidation and nitration Protects against scuffing and wear Protects against rust and corrosion Excellent water-separating properties Low carbon-forming tendency Compatible with emissions system catalysts Does not contain any bright stock, which can cause harmful carbon deposits Information provided by ConocoPhillips

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http://www.lookpolymers.com/polymer_ConocoPhillips-Conoco-El-Mar-Geo-Low-Ash-Oil-SAE-Viscosity-Grade-15W-40.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.869 g/cc	0.869 g/cc	60°F
Density	0.868 g/cc	0.0313 lb/in ³	
Viscosity	6400 cP @Temperature -20.0 °C	6400 cP @Temperature -4.00 °F	Cold Cranking
Viscosity Measurement	135	135	Viscosity Index
Kinematic Viscosity at 40°C (104°F)	107 cSt	107 cSt	
Kinematic Viscosity at 100°C (212°F)	14.2 cSt	14.2 cSt	
Ash	<= 0.010 %	<= 0.010 %	Sulfated Ash; ASTM D874
ASTM Color	2.0	2.0	ASTM D1500

Thermal Properties	Metric	English	Comments
Pour Point	-40.0 °C	-40.0 °F	
Flash Point	240 °C	464 °F	COC

Component Elements Properties	Metric	English	Comments
Phosphorous, P	0.011 %	0.011 %	

Chemical Properties	Metric	English	Comments
Total Acid Number	0.040	0.040	ASTM D974

Descriptive Properties	Value	Comments
Carbon Reside	0.10%	ASTM D524

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