

ConocoPhillips Conoco® El Mar® Mid Ash Heavy Duty SAE 30

Category : Fluid , Lubricant

Material Notes:

Conoco® El Mar Mid Ash Heavy Duty is a high-quality, mid-ash, dispersant-detergent gas engine oil designed for use in naturally aspirated and moderately to highly turbocharged 4-stroke cycle natural gas engines. It is particularly recommended for use in natural gas engines and dual-fuel engines burning sour gas or landfill gas. El Mar Mid Ash Heavy Duty is formulated with field-proven performance additives to provide excellent resistance to oxidation and nitration, protect against piston scuffing and wear, and minimize the formation of sludge and piston deposits for good engine cleanliness. It has a high alkaline reserve (TBN) to protect engines operating under corrosive conditions, such as when burning sour gas, digester gas or landfill gas. Applications: 4-stroke cycle gas and dual-fuel engines burning sour gas or landfill gas 4-stroke cycle natural gas engines in wastewater treatment plants fueled by digester gas 4-stroke cycle converted irrigation engines running on natural gas or LPG Other 4-stroke cycle natural gas engines where the manufacturer specifies a mid-ash gas engine oil El Mar Mid Ash Heavy Duty is recommended for use in natural gas engines manufactured by: Cooper Superior Waukesha (VHP GL turbocharged lean-burn engines, models 3521, 5115, 7042, 9390) Features/Benefit: Excellent resistance to oxidation and nitration High alkaline reserve to combat acidic combustion by-products when burning sour gas High dispersancy protects against sludge and varnish formation Protects against scuffing and wear Protects against rust and corrosion Excellent low-temperature performance Does not contain any bright stock, which can cause harmful carbon deposits Information provided by ConocoPhillips. Information provided by ConocoPhillips

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http://www.lookpolymers.com/polymer_ConocoPhillips-Conoco-El-Mar-Mid-Ash-Heavy-Duty-SAE-30.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.876 g/cc	0.876 g/cc	
Density	0.874 g/cc	0.0316 lb/in ³	
Viscosity Measurement	117	117	Viscosity Index
Kinematic Viscosity at 40°C (104°F)	85 cSt	85 cSt	
Kinematic Viscosity at 100°C (212°F)	11 cSt	11 cSt	
Ash	1.0 %	1.0 %	Sulfated Ash; ASTM D874
ASTM Color	3.5	3.5	ASTM D1500

Thermal Properties	Metric	English	Comments
Pour Point	-36.1 °C	-33.0 °F	
Flash Point	234 °C	453 °F	COC

Component Elements Properties	Metric	English	Comments
Phosphorous, P	0.097 %	0.097 %	

Zinc_Zn Component Elements Properties	0.109 % Metric	0.109 % English	Comments
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Chemical Properties	Metric	English	Comments
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Total Base Number	7.9	7.9	ASTM d2896
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Descriptive Properties	Value	Comments
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Phosphorus	1110 ppm	
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Zinc	1240 ppm	
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