

ConocoPhillips Conoco® El Mar® Ashless Heavy Duty Oil, SAE Viscosity Grade 15W-40

Category : Fluid , Lubricant

Material Notes:

Conoco® El Mar Ashless Heavy Duty is a high-quality, ashless, dispersant-detergent gas engine oil designed for use in naturally aspirated and moderately turbocharged 2-stroke cycle natural gas engines. Engines operating in this type of service typically are found on crude oil and gas transmission pipelines, electrical power generators, gas compressors, irrigation water pumps and well drilling rigs. El Mar Ashless Heavy Duty is formulated with field-proven performance additives to meet the rigorous lubrication demands of modern, fuel-efficient, low-emission gas engines. It provides excellent resistance to oxidation and nitration, protects against ring and liner wear, minimizes the formation of sludge and piston deposits for excellent engine cleanliness, and protects 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. Applications: 2-stroke cycle natural gas engines that are sensitive to port deposits and require an ashless gas engine oil El Mar Ashless Heavy Duty is recommended for use in natural gas engines manufactured by: AjaxClimax Colt-Fairbanks Morse Cooper-Bessemer Dresser Clark Dresser Rand (Category I & II) Worthington Features/Benefit: Field-proven performance in providing excellent engine cleanliness Ashless formulation helps minimize port deposits Good dispersancy to protect against sludge and varnish formation Excellent resistance to oxidation and nitration Protects against scuffing and wear Protects against rust and corrosion 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-Ashless-Heavy-Duty-Oil-SAE-Viscosity-Grade-15W-40.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.875 g/cc	0.875 g/cc	60°F
Density	0.874 g/cc	0.0316 lb/in³	
Viscosity	6300 cP @Temperature -20.0 °C	6300 cP @Temperature -4.00 °F	Cold Cranking
Viscosity Measurement	136	136	Viscosity Index
Kinematic Viscosity at 40°C (104°F)	107 cSt	107 cSt	
Kinematic Viscosity at 100°C (212°F)	14.3 cSt	14.3 cSt	
Ash	<= 0.010 %	<= 0.010 %	Sulfated Ash; ASTM D874
ASTM Color	2.5	2.5	ASTM D1500

Thermal Properties	Metric	English	Comments
Pour Point	-36.1 °C	-33.0 °F	
Flash Point	235 °C	455 °F	COC

Component Elements Properties	Metric	English	Comments
Phosphorous, P	0.054 %	0.054 %	

Chemical Properties	Metric	English	Comments
Total Base Number	1.0	1.0	ASTM D2896

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