



El Mar Ashless Supreme

Conoco El Mar Ashless Supreme is a premium, ashless, natural gas engine oil formulated from high-quality, paraffinic base oils, and the latest additive technology to meet the severe lubrication requirements of naturally aspirated and turbo-charged, 2-stroke cycle engines. El Mar Ashless Supreme has demonstrated outstanding performance in minimizing deposits in engines known to promote the formation of severe port carbon deposits.

El Mar Ashless Supreme is formulated to provide long oil life, extended spark plug life, reduced piston and valve deposits, and very good overall engine cleanliness. Selected additives provide superior bearing corrosion protection and protection against scuffing and wear.

Applications

El Mar Ashless Supreme is recommended for use in 2-stroke cycle and some 4-stroke cycle natural gas engines for which the engine manufacturer specifies an ashless natural gas engine oil. Engines operating in this type of service are commonly found in crude oil and natural gas transmission pipelines, electrical power generators, gas compressors, irrigation water pumps and well-drilling rigs.

El Mar Ashless Supreme meets or exceeds lubrication requirements of the following natural gas engine manufacturers:

- Ajax
- Clark
- Climax
- Colt-Fairbanks Morse, 2-Stroke Cycle
- Cooper-Bessemer, 2-Stroke Cycle
- International Harvester, 2-Stroke Cycle
- Worthington, Loop & Uniflow 2-Stroke Cycle

**Premium,
Ashless, Natural
Gas Engine Oil**

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Outstanding Features

- Superior piston ring groove and crankcase cleanliness
- Ashless additive chemistry to minimize port deposits
- Excellent oxidation and nitration control and thermal stability
- Excellent wear protection for pistons, liners and bearings
- Protects against scuffing and wear

EI Mar Ashless Supreme Typical Properties

SAE Grade	30	40	15W-40
Viscosity,			
cSt @ 40°C	89.7	128.7	108
cSt @ 100°C	10.7	13.6	14.5
SUS @ 100°F	466	673	556
SUS @ 210°F	62.8	74.0	77.5
Viscosity Index	103	101	138
Ash, Sulfated, ASTM D874, wt %	<0.01	<0.01	<0.01
Pour Point, °C (°F)	-24 (-11)	-18(0)	-33 (-27)
Flash Point (COC), °C (°F)	257 (494)	277 (530)	241 (466)
Density, g/cm ³ @ 15°C	0.886	0.888	0.880
Total Base Number, ASTM D2896	1.7	1.7	1.7
Color, ASTM	2.5	2.5	2.0
High Temperature High Shear Viscosity, 150 C, cP	3.3	3.9	3.9
Viscosity, Cold Cranking (CCS), cP @ °C	—	—	6,192 (-20)
Phosphorus, ppm	670	670	670

Due to continual product research and development, the information contained herein is subject to change without notification.

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