



El Mar® T GEO

Phillips 66® El Mar T GEO is a high-quality, very low-ash, dispersant-detergent gas engine oil designed for use in naturally aspirated and moderately turbocharged, low- to medium-speed 2-stroke cycle and 4-stroke cycle natural gas engines.

El Mar T GEO is formulated with field-proven performance additives to meet the rigorous lubrication demands of various natural gas engines. It provides excellent resistance to oxidation and nitration, protects against ring and liner wear, helps minimize engine sludge and piston deposits for excellent engine cleanliness, and protects against corrosion. It provides excellent deposit control to keep ports clean on 2-stroke cycle engines and to help both 2-stroke cycle and 4-stroke cycle gas engines operate at peak performance.

Applications

- Low- to medium-speed, 2-stroke cycle gas engines where port plugging is a concern
- Low- to medium-speed, naturally aspirated 4-stroke cycle gas engines
- Medium-speed, 4-stroke cycle gas engines operating under moderate loads

El Mar T GEO is recommended for use in natural gas engines manufactured by:

- Ajax
- Cooper Bessemer
- Superior
- Clark
- Dresser Rand (Category I & II)
- Waukesha
- Caterpillar

Features/Benefits

- Field-proven performance in providing excellent engine cleanliness
- Good dispersancy protects against sludge and varnish formation
- Very low-ash formulation helps minimize port deposits
- 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

Very Low-Ash Natural Gas Engine Oil





El Mar® T GEO

Typical Properties			
SAE Grade	30	40	15W-40
Specific Gravity @ 60°F	0.8812	0.886	0.8715
Density, lbs/gal @ 60°F	7.34	7.38	7.257
Color, ASTM D1500	3.5	3.5	3.0
Flash Point (COC), °C (°F)	260 (500)	280 (536)	233 (451)
Pour Point, °C (°F)	-30 (-22)	-30 (-22)	-39 (-38)
Viscosity, Kinematic			
cSt @ 40°C	85.6	123	103
cSt @ 100°C	10.4	13.2	14.0
Viscosity Index	103	101	138
Cold Cranking Viscosity, cP (-20°C)	---	---	5370
Sulfated Ash, ASTM D874, wt %	0.15	0.15	0.15
Total Base Number (TBN), ASTM D2896	2.1	2.1	2.1

Health Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://3apps.phillips66.com/NetMSDS>.