

PRODUCT INFORMATION

ECOSE[®] GEO 500 Series

ASHLESS STATIONARY GAS ENGINE OIL

PRODUCT DESCRIPTION

ECOSE[®] GEO 500 Ashless Oils are high performance, ashless natural gas engine oils formulated with premium additive chemistry and specially selected base stocks that offer excellent oxidation stability that promotes extended oil service life by keeping engines clean and free of power-robbing carbon and varnish deposits.

ECOSE[®] GEO 500 Ashless Oils are carefully formulated to balance dispersancy and anti-wear properties with a high degree of oxidation resistance. The performance additive chemistry is completely ashless, preventing combustion-chamber and spark plug deposits from forming that can result in pre-ignition and loss of engine power.

FEATURES AND BENEFITS

The premium base oils combined with a superior field-proven additive system provides:

- No bright stock
- Good anti-wear performance
- No zinc or metallic detergents – truly ashless chemistry
- New dispersant technology offers improved corrosion protection
- Minimizes port plugging, combustion chamber and piston ring deposits
- Superior protection of naturally aspirated and high output turbocharged 2-cycle and some 4- cycle engines
- Lubricates cylinders and crankcase of reciprocating compressors in the transmission of clean, dry natural gas
- **ECOSE[®] GEO 515** is specially formulated to provide very good cold cranking and pumpability performance in cold weather areas.

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APPLICATION

ECOSE® GEO 500 Ashless Oil is recommended primarily for use in 2-cycle and certain 4-cycle natural gas engines where a premium ashless (<0.1% sulfated ash) gas engine oil is specified. Engines commonly found in natural gas transmission pipelines, irrigation water pumps and electrical power generation can benefit from the improved wear protection and excellent corrosion resistance offered by this product. 2-cycle engine manufacturers recommending the use of “no-ash” gas engine oils include Ajax, Clark (Dresser-Rand), Cooper-Bessemer, Fairbanks Morse and Worthington.

Always follow equipment manufacturer’s recommendations for proper selection of engine oil quality and viscosity grade.

Typical Properties

Product Name		ECOSE 515	ECOSE 540	ECOSE 530
SAE Grade	Test Method	15W-40	40	30
Product Code		535437	535436	535435
Viscosity, cSt @ 40°C	ASTM D-445	97.7	137	93.1
Viscosity, cSt @ 100°C	ASTM D-445	13.6	14.2	11.0
Viscosity Index	ASTM D-2270	140	100	103
Sulfated Ash, Mass %	ASTM D-874	<0.1	<0.1	<0.1
Flash Point, °F (°C)	ASTM D-92	440 (227)	460 (254)	460 (254)
Pour Point, °F (°C)	ASTM D-5949	-5 (-15)	10 (-12)	-6 (-21)
Phosphorus, ppm		500	500	500
Nitrogen, ppm		900	900	900
API Gravity		30.4	29.3	29.9
Density, lbs/gal (g/L)	Calculated	7.28	7.33	7.3

AVAILABILITY:

ECOSE® GEO 500 Ashless Oils are available throughout Nu-Tier Brand’s marketing area. Need additional information? Call Nu-Tier Brands @ 1-877-771-LUBE (5823) or visit Nu-tierbrands.com.