



CATCO SYNTHETIC GEO

(Low-Ash Severe Service Synthetic Gas Engine Oil)

CATCO SYNTHETIC GAS ENGINE OIL are super-premium low ash natural gas engine oils made from synthetic base stocks. They are designed specially for severe service in 2-cycle and 4-cycle LPG and natural gas engines. They are formulated from polyalpha olefins and select additives to provide maximum stability and outstanding performance in high-output, highly-turbocharged natural gas engines. **CATCO SYNTHETIC GAS ENGINE OILS** are low in phosphorous, and compatible with catalytic converters.

CATCO SYNTHETIC GAS ENGINE OILS contain a highly effective detergent/dispersant system that minimizes sludge and varnish, and keeps engine parts clean. (Natural gas engines are prone to ring sticking, spark plug fouling, pre-ignition and detonation if deposits develop in the combustion chamber.) The result of using this oil is optimum engine service life and performance, lower oil consumption, less maintenance and lower operating cost.

CATCO SYNTHETIC GAS ENGINE OILS contain corrosion inhibitors to protect metal parts from rust and corrosion. They also contain potent anti-oxidants to inhibit oil oxidation and nitration, giving **CATCO SYNTHETIC GAS ENGINE OILS** the ability to extend oil service life and reduce maintenance cost beyond that of mineral oils.

The base stocks used in **CATCO SYNTHETIC GAS ENGINE OILS**, coupled with the low ash additive package, minimize such deposits, improving overall operation.

Note: **CATCO SYNTHETIC GAS ENGINE OILS** are not intended for use in automotive engines that have been converted to LPG or natural gas service.

BENEFITS:

- SYNTHETIC FORMULA OFFERS EXTENDED LIFE
- LOW ASH FORMULA PROVIDES EXCELLENT PROTECTION AGAINST WEAR, SLUDGE, VARNISH AND ASH DEPOSITS
- MINIMIZES RING STICKING, SPARK PLUG FOULING, PRE-IGNITION AND DETONATION
- COMPATIBLE WITH CATALYTIC CONVERTERS
- LOWERS OIL CONSUMPTION
- LOWERS MAINTENANCE COST

APPLICATIONS:

CATCO SYNTHETIC GAS ENGINE OILS have enhanced performance over the mineral oil lines of **CATCO GEO** products. **CATCO SYNTHETIC GAS ENGINE OILS** are intended for engines operating in especially severe conditions such as the Caterpillar 3500 series, or in an extremely cold environment.

CATCO SYNTHETIC GAS ENGINE OILS are recommended for both 2-cycle and 4-cycle natural gas and LPG fueled engines that require low-ash oil. They are also suitable as cylinder lubricants for gas compressors. They satisfy the performance requirements of most major engine manufacturers including Caterpillar, Copper Bessemer 4-cycle engines, Dresser-Rand Class I, II and III, Enterprise, Fairbanks-Morse, Hercules, Superior, Waukesha, (except VGF series), Worthington 4-cycle engines and others.



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TYPICAL CHARACTERISTICS

SAE Viscosity Grade	30	40
Product Code	NA	40422
API Gravity (ASTM D-1298)	NA	NA
Viscosity (ASTM D-445):		
cSt @ 40°C	78	100
cSt @ 100°C	12.1	14.6
Viscosity Index (ASTM D-2270)	151	155
Pour Point (ASTM D-97) °F (°C)	-40 (-40)	-30 (-34)
Flash Point (ASTM D-92) °F (°C)	485 (252)	490 (254)
Sulfated Ash (ASTM D-874) %	0.49	0.49
Phosphorous Content, ppm	110	110
Zinc Content, ppm	110	110
TBN (ASTM D-2896)	5	5
API Service Category	CF	CF

The above data is subject to usual manufacturing variation. For more information or availability, call 1-800-442-LUBE.
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