



CATCO XD GAS ENGINE OILS

(Low-Ash Severe Service Gas Engine Oil)

CATCO XD GAS ENGINE OILS are premium low ash natural gas engine oils with good antiwear properties meeting API service category CF. They are designed specially for service in 2-cycle and 4-cycle LPG and natural gas engines. They are formulated from group 2 base oils and provide maximum stability and outstanding performance in high-output, highly-turbocharged natural gas engines. **CATCO XD GAS ENGINE OILS** are low in phosphorous, and compatible with catalytic converters.

CATCO XD 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 XD 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 XD GAS ENGINE OILS** the ability to "go the distance", extend oil service life and reduce maintenance cost.

The group II base oil blends used in **CATCO XD GAS ENGINE OILS**, coupled with the low ash additive package, minimize such deposits, improving overall operation. The oil blend is free of bright stock.

The 30 weight grade is designed for winter operations. It has a lower pour point and a higher viscosity index than the 40 weight grade.

BENEFITS:

- 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 XD GAS ENGINE OILS have enhanced performance over the regular line of **CATCO GEO** products. **CATCO XD GAS ENGINE OILS** are intended for engines operating in especially severe conditions such as the Caterpillar 3500 series.

CATCO 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.

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



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TYPICAL CHARACTERISTICS

SAE Viscosity Grade	30	40
Product Code	11373	11374
API Gravity (ASTM D-1298)	31.1	28
Kinematic Viscosity (ASTM D-445):		
cSt @ -18°C (0 F)*	6,900	No Flow
cSt @ 0°C (32 F)*	1,100	2,600
cSt @ 40°C (104 F)	81.1	142
cSt @ 100°C (212 F)	10.5	14.1
Viscosity Index (ASTM D-2270)	115	97
Pour Point (ASTM D-97) °F (°C)	-27 (-33)	-15 (-26)
Flash Point (ASTM D-92) °F (°C)	435 (224)	450 (232)
Sulfated Ash (ASTM D-874) %	0.45	0.45
Phosphorous Content, ppm	280	280
Zinc Content, ppm	300	300
TBN (ASTM D-2896)	5.1	5.1
API Service Category	CF	CF

* Calculated value

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