



LOW ASH NATURAL GAS ENGINE OIL

Designed For Natural Gas Fueled Engines
Superior Engine Cleanliness and Long Service Life



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DESCRIPTION

Gard™ SafeGard™ Low Ash Natural Gas Engine Oils are premium quality crankcase oils designed specifically for high-output engines using gaseous fuels. These oils are commonly used in both large and small engines powered by natural gas and compressing natural gas on distribution pipelines. They also are used in a wide variety of power generating applications where natural gas fuels are economically available.

Gard SafeGard Low Ash Natural Gas Engine Oils provide outstanding protection against piston wear, liner scuffing, and keep rings free of varnish buildup. These oils offer outstanding antiwear protection for engine bearings, valve train, and other internal engine parts. Gard Low Ash Natural Gas Engine Oils are safe for use on engines equipped with NSCR emission reduction systems. These oils are blended from OEM approved additives to minimize valve recession and reduce the possibility of spark plug fouling and pre-ignition. These oils may extend drain intervals and extend filter life according to manufacturer's recommendations.

BENEFITS

- ❑ Outstanding antiwear protection for pistons, liners, rings, valves, and other moving parts
- ❑ Low ash formula minimizes valve recession and combustion chamber deposits
- ❑ Reduces sludge formation in top end of engine
- ❑ Suitable for use with fuels containing low sulphur levels and CFC's
- ❑ Reduces spark plug fouling and pre-ignition
- ❑ Low phosphorous levels preserve emission catalysts with NSCR emission reduction systems

APPLICATION

- Two-stroke cycle and four-stroke cycle natural gas fueled engines requiring low ash oils
- Four-stroke cycle and two-stroke cycle natural gas engines where the manufacturer specifies oil meeting the service performance levels of API CF or API CD
- Engines operating on sour gas (high sulphur) may require oils with higher TBN ratings

PERFORMANCE RATING

Cummins L 10, M11

Caterpillar

Dresser-Rand Cat. I, II, III

Cooper-Bessemer

GE Jenbacher

Cooper-Superior

Wartsila

Detroit Diesel

Waukesha

Deutz

Worthington

Delaval Enterprises

TYPICAL PROPERTIES	METHOD	30	40	50	15W-40
Specific Gravity @15.6°F	D-1298	0.873	0.874	0.8927	0.8707
Viscosity, cSt at 40°C	D-445	80.9	120.85	177.72	104.2
Viscosity, cSt at 100°C	D-445	10.1	13.56	16.78	14.6
Viscosity Index	D-2270	105	109	99	145
Flash Point, COC °C	D-92	260	273	250	236
Flash Point, COC (°F)	D-92	500	523	482	457
Pour Point, °C	D-97	-32	-30	-21	-30
Pour Point, (°F)	D-97	-26	-22	-6	-22
Total Base Number (TBN)	D-2896	4	4	4	4
Sulfated Ash Content, % Mass	D-874	0.46	0.46	0.46	0.47



NOTE:

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice.

Health And Safety Information See separate Safety Data Sheets available on request.

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