



ALPHA GAS ENGINE OILS **(Ashless Gas Engine Oil)**

Natural gas fueled engines have lubrication requirements which are decidedly different from diesel or gasoline engines. **ALPHA GAS ENGINE OILS** are high quality, ashless gas engine oils that are specifically designed to satisfy the special needs of gas engines.

ALPHA GAS ENGINE OILS are produced from specially selected base oils and a high performance additive package. They contain highly effective ashless detergent/dispersants to reduce sludge and varnish. This keeps engine parts clean and running at optimum performance. In addition, by keeping rings clean and free of deposits, oil consumption is reduced further lowering maintenance cost.

Other components in the additive system include corrosion inhibitors to protect metal parts. Potent anti-oxidants inhibit oxidation and nitration, which extends oil service life.

Most importantly, **ALPHA GAS ENGINE OILS** are fortified with special anti-wear additives for added protection. This results in substantially reduced wear and improved engine reliability.

ALPHA GAS ENGINE OILS utilize specially selected, high VI base oils for their ability to reduce deposits. Furthermore, no bright stock is used. This, coupled with the ashless additive package, minimizes deposits, which can cause spark plug fouling, preignition and detonation.

Another area of concern for some natural gas engines is catalyst compatibility. The low phosphorous formula of **ALPHA GAS**

ENGINE OILS makes them suitable for service in units with catalytic converters or in processes where catalysts are present.

BENEFITS:

- **REDUCES SLUDGE, VARNISH AND ASH DEPOSITS**
- **LOWERS OIL CONSUMPTION**
- **PROVIDES EXCELLENT WEAR PROTECTION**
- **MINIMIZES SPARK PLUG FOULING**
- **LOWERS MAINTENANCE COST**

APPLICATIONS:

ALPHA GAS ENGINE OILS are recommended for both 2-cycle and 4-cycle natural gas and LPG fueled engines, which call for an ashless oil. In addition, they are also suitable as a cylinder lubricant for gas compressors.

ALPHA GAS ENGINE OILS satisfy the performance requirements of the following manufacturers: Caterpillar G Series engines, Dresser-Rand (Class I, II and III), Cooper-Bessemer 2-Cycle engines, Ajax, and others.

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

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TYPICAL CHARACTERISTICS

SAE Grade	30	40
Product Code	11130	11140
API Gravity (ASTM D-1298)	29.2	28.6
Viscosity (ASTM D-445):		
cSt @ 40°C	109	132
cSt @ 100°C	11.8	13.5
SUS @ 100°F	576	700
SUS @ 210°F	67	74
Viscosity Index (ASTM D-2270)	96	97
Pour Point (ASTM D-97) °F (°C)	5 (-15)	10 (-12)
Flash Point (ASTM D-92) °F (°C)	450 (232)	450 (232)
Sulfated Ash (ASTM D-874) %	0.02	0.02
Color (ASTM D-1500)	2.0	3.0

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