

## ADVANTAGE LOW ASH NATURAL GAS ENGINE OIL

### Overview

ADVANTAGE PREMIUM LOW ASH NATURAL GAS ENGINE OIL is a high performance formulation designed for high-output 4-cycle and some 2-cycle natural gas engines. It has a balanced and field-proven additive system that provides excellent deposit, sludge and wear protection during high stress service. Excellent high temperature piston deposit performance helps maintains an engine's peak performance and preserves ring face and liner honing. The use of supplementary antioxidants mitigates the impact of high temperature blow-by gases on viscosity and extends oil life. The advanced detergent system used provides excellent valve, seat and guide protection while minimizing catalyst plugging. ADVANTAGE PREMIUM LOW ASH NATURAL GAS ENGINE OIL combats oil degradation and provide protection in a high temperature acidic environments, making it recommended for use in engines fueled by LPG or natural gas, engines used in crude oil and gas transmission pipelines, power generations, gas compressors, as well as well drilling rigs and water pumps.

### Features and Benefits

ADVANTAGE PREMIUM LOW ASH NATURAL GAS ENGINE OIL helps maximize engine run time, provide for outstanding engine cleanliness, has excellent valve recession and piston deposit control and resists TBN and viscosity degradation. ADVANTAGE PREMIUM LOW ASH NATURAL GAS ENGINE OIL can provide extended drain intervals with proper testing, has improved low temperature performance and is compatible with catalyst systems.

### Applications

ADVANTAGE PREMIUM LOW ASH NATURAL GAS ENGINE OIL is formulated with low sulfur Group II base oils combined with a robust additive system containing ashless dispersant, oxidation and corrosion inhibitors, antifoam and anti-wear agents. This oil meet the performance requirements of major engine manufacturers such as Caterpillar, Deutz-MWM, Guascor, Jenbacher, Wartsila, Waukesha and other turbocharged and naturally aspirated low ash four stroke engines. ADVANTAGE PREMIUM LOW ASH NATURAL GAS ENGINE OIL meets API CD/CF performance in stationary gas engines and is recommended for Dresser Rand Categories I, II and III applications.

### Recommended For Applications

Caterpillar, Deutz-MWM, Guascor, Jenbacher, Wartsila, Waukesha and other turbocharged and naturally aspirated low ash four stroke engines.  
Meets API CD/CF

### Typicals

PRODUCT CODE	701
SAE Viscosity	40
Viscosity, cSt/40 °C	125
Viscosity, cSt/100 °C	13.3
Viscosity Index	100
Gravity, ° API	29
Pour Point, °C	-27
Flash Point, COC °F	270
Color	7.0
Sulfated Ash, wt %	.47
TBN, ASTM D2896	5.8
Phosphorus, wt %	0.025
Zinc, wt %	0.027