



Imperial Low-Ash Natural Gas Engine Oils

Description:

- Imperial Low-Ash NGEO's are low phosphorous, low zinc oil formulations for use in natural gas engines specifying low-ash oil. Also formulated for use in natural gas engines that require Engelhard's NSCR catalyst compatibility.
- Imperial Low-Ash NGEO's are formulated for use in two-cycle and four-cycle natural gas engines including engines that are highly turbocharged. These engines are primarily used in gas compression service as well as for power generation and field irrigation service.
- API CD Additive package.
- Low-Ash, Catalyst compatible, minimum oil viscosity increase.
- Field proven, outstanding sludge and varnish control.
- Excellent protection against valve recession, and protects against scuffing and bearing corrosion.

Typical Applications:

- Imperial Low-Ash NGEO's meets the following specifications: Caterpillar; Cummins; Detroit Diesel (series 50G & 60G); Delaval-Enterprise; Dresser-Rand; Fairbanks-Morse/MEP; Superior; Waukesha and Worthington.

Typical Physical Properties:

Viscosity Grade	SAE 30	SAE 40	15W40
Flash Point, COC	222°C	230°C	220°C
Pour Point, °C	-24	-18	-27
Viscosity,			
cst @ 40°C	97.3	124	118
cst @ 100°C	11.4	13.5	14.4
Viscosity Index	104	104	124
Sulfated Ash, wt %	0.45	0.45	0.45
TBN (D-2896)	5.3	5.3	5.3

“Success is in the Details”