



SUNOCO PREMIUM MID-ASH NATURAL GAS ENGINE OILS

OVERVIEW

SUNOCO PREMIUM MID-ASH NATURAL GAS ENGINE OILS are superior quality mid-ash gas engine oils designed for use naturally aspirated and turbocharged 4-stroke natural gas engines. Formulated for the rigorous demands of today's engines, SUNOCO PREMIUM MID-ASH NATURAL GAS ENGINE OILS are designed for use in natural gas and flex-fuel engines burning sour or landfill gas. High initial TBN and superior TBN retention reduces the corrosive effect of these gases.

FEATURES & BENEFITS

SUNOCO PREMIUM MID-ASH NATURAL GAS ENGINE OILS are formulated without bright stock to reduce harmful carbon deposits, contain high alkaline reserve (TBN) to counteract acidic combustion byproducts (MA 40) and have outstanding oxidation, nitration, deposit, rust and corrosion protection.

TYPICAL PROPERTIES

Product Code	7003	7203
Product	MA 40	MA-DT 40
Viscosity, cSt @ 40 °C	132	132
Viscosity, cSt @ 100 °C	13.3	13.8
Viscosity Index	101	101
Flash Point, °C	263	263
Pour Point, °C	-33	-33
Zinc, wt%	.032	.032
Phosphorous, wt.%	.028	.028
TBN	8.2	5.5
Sulfated Ash, wt.%	0.9	0.6
Color	7.5	7.5
Density @ 15°C	7.37	7.37
Specific Gravity	.884	.884

APPLICATIONS

SUNOCO PREMIUM MID-ASH NATURAL GAS ENGINE OIL MA 40 is designed for use in Waukesha, Caterpillar and other 4-stroke cycle lean-burning natural gas engines (Cooper Superior, Colt-Fairbanks Morse, Nordberg, etc.) that require 1 percent (nominal) sulfated ash. SUNOCO PREMIUM MID-ASH NATURAL GAS ENGINE OIL MA-DT 40 provides all the benefits of MA 40, but with a reduced ash and TBN for less critical applications.

SPECIFICATIONS

Most manufacturers natural gas and flex-fuel engines burning sour or landfill gas.