



Royal Geoguard 700 Mid-Ash

Premium Natural Gas Engine Oil

Royal Geoguard 700 Mid-Ash products are premium natural gas engine oils formulated for the lubrication of the crankcase as well as the power and combustion cylinders of spark-ignited, two and four-cycle gas engines. Our base stocks and additive package are carefully selected to retard both oxidation and nitration while providing maximum engine protection.

Royal Geoguard 700 Mid-Ash is specially developed gas engine oil to effectively control valve recession in four-cycle engines. This product has improved cold operating performance and increased shear stability.

Royal Geoguard 700 Mid-Ash is an efficient lubricant for natural gas engines under conditions of continuous high load and high operating temperatures over long periods of time.

Product Features:

- Formulated for severe applications
- Outstanding wear protection

Customer Benefits:

- Controls valve recession
- Superior oxidation stability
- Better viscosity control

Applications:

- Royal Geoguard 700 Mid-Ash is recommended for large four-cycle natural gas engines requiring a mid ash engine oil



Typical Properties

Royal Geoguard 700 Mid-Ash					
Product Number	160	161	162	163	Test Method
SAE Grade	30	40	10W30	15W40	-
Viscosity @40°C, cSt	97	122	59	101	ASTM D445
Viscosity @100°C, cSt	11.2	13.0	9.8	13.6	
Viscosity@100F, SUS	505	638	301	520	
Viscosity@210F, SUS	64	71	59	74	
Viscosity Index	100	99	151	134	ASTM D2270
Pour Point, °C	-20	-20	-30	-27	ASTM D97
Flash Point, °C	>250	>250	>220	>220	ASTM D92
API Gravity	18.5	14.3	31.4	29.7	-
Nitrogen, % weight	0.04	0.04	0.04	0.04	Spectroscopy
Phosphorus, % weight	0.06	0.06	0.06	0.06	Spectroscopy
Sulfated Ash, % weight	0.8	0.8	0.8	0.8	ASTM D874
API Service	CD	CD	CD	CD	

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:



Quarts



1 Gal Jugs



5 Gal Kegs



55 Gal Drums



275/330 Gal Totes



>2000 Gal Bulk