

Marine Gear Oil

Premium Mineral Technology

RAK MGO

PRODUCT DESCRIPTION:

RAK MGO are mineral oil based gear lubricants having sulphur phosphorus chemistry. These oils demonstrate improved thermal stability and oxidation resistance over conventional lead-naphthenate oils. They have good demulsibility characteristics, low foaming tendency and provide

Applications:

MGO oils are recommended for all types of enclosed gear drives with circulation or splash lubrication systems. These oils are particularly recommended for gear sets working under heavy or shock load conditions. These oils can be used in systems involving gears, plain bearings, roller bearings and sliding surfaces. They are also suitable for chain drives, sprockets, flexible couplings, palin and rolling element bearings employing splash, circulation and spray lubrication systems.

Features:

- Have reduced tendency to foam
- Provide high load carrying ability
- Ensure excellent wear protection
- Ensure long service life since they have good oxidation and thermal stability
- Minimize the formation of sludge and deposits, even at high bulk oil temperatures
- Ensure ready separation from water due to good demulsibility property
- Protect metals against rust and corrosion

Meets and Exceeds Performance Levels:

- AGMA Standard 250.04
- ASLE standard G-315, G-1000, G-1500, and G-2150
- IS:8406-1993
- US Steel requirements NO. 222 and 224
- Cincinnati Milacron (P-63, P-76, P-77, P-74, P-59 and P-35)

Typical Properties:

PARAMETERS	TEST METHOD	UNIT	RAK MGO				
Grade			100	150	220	320	460
API Gravity	-	-	30.6	29.7	28.4	27.3	26.3
Kinematic Viscosity @ 104°F /40°C	ASTM D-445	cSt	95.0	142	209	304	437
Kinematic Viscosity @ 212°F /100°C	ASTM D-445	cSt	11.0	14.4	18.8	23.2	29.4
Viscosity Index (min)	ASTM D-2270	-	100	100	100	95	95
Flash Point (min)	ASTM D-92	°C	240	240	245	260	280
Pour Point (max)	ASTM D-97	°C	-27	-27	-21	-18	-15
FZG Rating, 12 th Stage	-	-	pass	pass	pass	pass	pass

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website