MGO

PRODUCT DESCRIPTION:
MGO are mineral oil based gear lubricants having Sulphur phosphorous chemistry. These oils demonstrate improved thermal stability and oxidation resistance over conventional leaDnaphthenate oils. They have good demulsibility characteristics, low foaming tendency and provide rust and corrosion protection to metal surfaces.

APPLICATION:
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, plain and rolling element bearings employing splash, circulation and spray lubrication systems.

FEATURES & BENEFITS:
- 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
- Minimise 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

PERFORMANCE STANDARDS: Meets or Exceeds:
- AGMA standard 250.04
- ASLE standard G-315, G-1000, G-1500 and G-2150
- IS: 8406 – 1993
- US Steel requirement No. 222 and 224
- Cincinnati Milacron (P-63, P-76, P-77, P-74, P-59 & P-35)

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	MGO				
ISO VG			100	150	220	320	460
API Gravity	-	-	30.6	29.7	28.4	27.3	26.3
Kinematic Viscosity @ 104°F /40°C	ASTM D7042	cSt	100	150	220	320	460
Kinematic Viscosity @ 212°F /100°C	ASTM D7042	cSt	TBR	TBR	TBR	TBR	TBR
Viscosity Index	ASTM D2270	-	95	95	95	95	95
Flash Point (min)	ASTM D92	°C	200	200	200	200	200
Pour Point (max)	ASTM D97	°C	-9	-9	-9	-9	-9
FZG Rating, 12th Stage	-	-	Pass	Pass	Pass	Pass	Pass

DISCLAIMER: The test data provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

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 www.lubrex.net

HEALTH & SAFETY:
This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.lubrex.net

PROTECT THE ENVIRONMENT:
Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:
We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.