



## MARINE MGO

### PRODUCT DESCRIPTION:

MARINE MGO is a line of gear lubricants that are mineral oil-based and use a Sulphur phosphorous chemistry. These lubricants offer improved thermal stability and oxidation resistance compared to traditional lead-naphthenate oils. They also have good demulsibility characteristics, low foaming tendency, and protect against rust and corrosion on metal surfaces.

### APPLICATION:

MARINE 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, and 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	MARINE 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 (min)	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 is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent 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.bravoil.ae](http://www.bravoil.ae)

### 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.bravoil.ae](http://www.bravoil.ae)

### 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.