



# MARINE GEAR OIL

## High Performance

Magic Plus Marine Gear Oils are mineral oil based gear lubricants having Sulphur phosphorous 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 rust and corrosion protection to metal surfaces.

### Applications:

Magic Plus Marine Gear 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 the ready separation from water due to good demulsibility property
- Protect metals against rust and corrosion

### Specifications: (Meets / 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)

### Technical Data:

Parameters	ASTM	Unit	Typical Results				
			100	150	220	320	460
ISO VG Grade			<b>100</b>	<b>150</b>	<b>220</b>	<b>320</b>	<b>460</b>
API Gravity			30.6	29.7	28.4	27.3	26.3
Viscosity @ 104 °F / 40 °C	D-7042	cSt	92.0	142	209	304	437
Viscosity @ 212 °F / 100 °C	D-7042	cSt	11.0	14.4	18.8	23.2	29.4
Viscosity Index	D-2270		100	100	100	95	95
Flash Point (min)	D-92	°C	240	240	245	260	280
Pour Point (min)	D-97	°C	-27	-27	-21	-18	-15
FZG Rating, 12th Stage			Pass	Pass	Pass	Pass	Pass

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil into drains or the environment. Dispose to an authorized used oil collection point. 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. For further Information on Safety Guidelines please refer to MSDS available on our website [magicplusoil.net](http://magicplusoil.net)

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