

# MG HD GEAR OIL

HEAVY DUTY INDUSTRIAL GEAR OIL  
ISO 68, 100, 150, 220, 320, 460



## Performance Profile

MG HD GEAR OIL is a supreme quality oil with high degree of extreme pressure protection, designed with highly refined base stocks and additive package based on Sulfur-Phosphorus gear chemistry.

Exceeds the requirements of :

U.S. Steel 220 & 224

DIN 51517 Part 3

AGMA 250.04 & 9005-D94

David Brown S1.53.101

Cincinnati P-35, P-59, P-63, P-74,  
P-76, P-77 & P-78

## Application

Recommended for efficient lubrication of all types of enclosed industrial gear systems, operating under severe service conditions, subject to heavy-load, high-speed and high relative sliding velocities at elevated temperatures. Also used for enclosed sprocket, flexible coupling, chain bar, rock drill, guides and low-speed plain bearings.

## Other Uses are

- Light duty or non-antiwear hydraulic system.
- Non-EP gear system and Pump where recommended.

## Summary of Benefits

- Perfect lubrication powers in all operating conditions.
- Low temperature fluidity ensures efficient functioning in cold climates.
- Strong demulsibility power and air release capability.
- Reinforced thermal and oxidation stability.
- Enhanced antiwear and extreme pressure properties to protect the gear teeth.
- Outstanding resistance to foaming, rust and corrosion.
- Excellent compatibility with all seals to control the leakage.
- Outstanding load carrying ability.



## Technical Data

Characteristics	Typical Value					
	68	100	150	220	320	460
Sp. Gravity @ 15°C	0.879	0.882	0.889	0.901	0.907	0.913
Viscosity @ 40 °C, cSt	67.5	99.5	144	220	314	460
Viscosity @ 100°C, cSt	8.7	11.3	14.5	19	24	31
Viscosity Index	100	99	98	97	95	95
Flash Point, COC, °C	232	236	248	268	280	292
Pour Point, °C	-9	-9	-6	-6	-6	-6
Timken OK Load, lb	60	65	70	70	70	70
FZG, Pass Load Stage	12	12	12	12	12	12

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