

# MP GEAR OILS 68, 100, 150, 220, 320

## Multi-purpose Gear Oils For Moderate

### DESCRIPTION

MP GEAR OILS are a series of truly versatile gear lubricants for use in nearly all enclosed gear systems. They have superior high temperature stability, excellent corrosion inhibition, outstanding rust protection and essential extreme pressure properties. A new EP additive treatment is used.

These gear lubricants provide a highly effective oil film between mating teeth to reduce frictional losses in the gearing mechanism. High film strength prevents metal-to-metal contact, reducing wear due to dry gearing. The tenacious oil film absorbs impact loads and assures quiet, vibrationless operation.

MP GEAR OILS also serve as a heat transfer medium to conduct frictional heat away from the gear surfaces to cool them and provide a more efficient gear unit. When ball and roller bearings are an integral part of the gear assembly, the importance of proper lubrication of these units must be considered as well as of the gears themselves.

### HOW TO USE

MP Gear Oils are used neat from the drum. Place in gear box refill points where applicable.

### TYPICAL VALUES

Viscosity at 40°C	68	93	144	213	312
	455	676			
Viscosity at 100°C	8.9	10.8	14.0	18.9	24
	30.5	37.3			
Flash Point °C	>200	>200	>200	>200	>200
	>200	>200			
Copper Corrosion 3 hrs @ 100°C	ASTM D-130				1a
	1a	1a	1a	1a	1a

### FEATURES

- MP GEAR OILS have a high viscosity index to resist “thinning out” and leakage.
- At operating temperatures they have the proper viscosity to provide the necessary cushioning action, and to minimise frictional losses due to excessive churning.
- Sufficient film strength and cohesive properties maintain an unbroken film and prevent metal-to-metal contact or wear.
- High degree of lubrication (“oiliness” insures against excessive frictional losses).
- Adequate adhesive qualities enable it to adhere to gears without being thrown off by centrifugal force.
- Superior high temperature and oxidation stability prevent thickening or gumming in service.
- Low acid forming tendencies prevent corrosive action.

### SHELFLIFE & AVAILABILITY

Under normal conditions the recommended shelf life for **PRODUCT** is a minimum of Twelve (12) months, unless otherwise specified.

**PRODUCT** is available in 205 litre drums. Other sizes may be available upon request, please contact your Houghton sales representative.

### HEALTH AND SAFETY

Refer to MSDS for proper handling and disposal. Please note that the MSDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.



**HOUGHTON™**

Houghton Australia Pty Ltd  
287 Wickham Road  
Moorabbin VIC 3189 Australia

Phone: +61 1300 736 642  
Fax: +61 1300 736 234  
Sales.au@houghtonintl.com  
www.houghtonintl.com

This document contains information based on data that is believed to be correct. However, the product may not be applicable to all uses and operating environments. No warranty or guarantee is expressed or implied.