

Industrial Gear Oils

Mineral-Based, Extreme Pressure Lubricating Oils

Description

Nemco Industrial Gear Oils are mineral based extreme pressure (EP) lubricants formulated to lubricate enclosed gear drives operating in normal and heavy duty conditions. They are formulated to provide rust and corrosion protection, enhanced oxidation stability, and resistance to foaming. The sulphur phosphorus extreme pressure (EP) additives provide anti-wear and friction-reducing characteristics and help minimize the temperature rise in heavily loaded gear sets.

Nemco Industrial Gear Oils are non-corrosive to bronze gears, copper lines and bearing materials and satisfy the current American Gear Manufacturers Association (AGMA) specifications and performance requirements for EP gear oils.

Applications

- Nemco Industrial Gear Oils are premium quality industrial gear lubricants with superior deposit control that meet or exceed the requirements of the industry standard AIST 224, DIN 51517 Part 3 and AGMA 250.04 EP. They are designed for use in industrial gear applications.
- Worm gear set where an AGMA EP style of gear lubricant is recommended by the OEM.

- Not recommended for automotive differential gear sets requiring API GL-5 oil; please consult Nemco's MultiGear GL-5 Oil PDS at nemco.ca.

Recommended/Suitable for

- DIN 51517 PART 3
- ISO 12925-1 CKC/CKD
- AIST 224
- AGMA 250.04, 9005-F16
- DAVID BROWN S1.53.101
- JIS K 2219:2006 Class II
- GB9503-2011 CKC

Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep drums and totes in good condition and away from moisture. Keep bungs securely in place; as bungs breath moisture can seep in over time. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

Typical Characteristics - Industrial Gear Oils

Properties	Method	Performance					
ISO Viscosity Grade	-	68	100	150	220	320	460
AGMA No. (non-EP)	-	2 EP	3 EP	4 EP	5 EP	6 EP	7 EP
Density (kg/L@15.0°C)	ASTM D1298	0.867	0.875	0.879	0.884	0.887	0.891
Kinematic Vis@40°C mm ² /s	ASTM D445	69.3	104.1	150.4	230.6	336.1	467.8
Kinematic Vis@100°C mm ² /s	ASTM D445	9.1	11.8	15.3	19.3	25.4	31.5
Viscosity Index	ASTM D2270	106	102	103	95	98	98
Flash Point (COC) °C(°F)	ASTM D92	215(420)	218(425)	221(430)	224(435)	224(435)	226(440)
Pour Point °C(°F)	ASTM D5950	-33(-27)	-33(-27)	-30(-22)	-12(10)	-9(16)	0(32)

These characteristics are typical of current production, variations in these characteristics may occur.

Availability and product codes

Pack size	20L pail	205L drum	1,000 tote/Bulk
Industrial GO 68	IOORZ0046	IOORZ0073	Special Order
Industrial GO 100	IOORZ0047	IOORZ0074	
Industrial GO 150	IOORZ0048	IOORZ0075	
Industrial GO 220	IOORZ0050	IOORZ0078	
Industrial GO 320	IOORZ0049	IOORZ0076	
Industrial GO 460	IOOSZ0008	IOORZ0077	
Availability	To order, contact us toll free 855-755-6737 or at orderdesk@nemco.ca		

Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at nemco.ca under Safety Data Sheets. For SDS in French, please contact info@nemco.ca. These products are WHMIS 2015 classified. The SDS contains valuable information critical to the safe handling and proper use of the product. Always take used oil to an authorized collection point. Do not discharge into drains, soil, or water.

Quality

Nemco Resources Ltd works with respected industry suppliers. The manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO9001. For questions regarding quality, please contact your Technical Sales Representative.