NEMCO LUBRICANTS & CHEMICALS

Product Data Sheet

Industrial Gear Oils
ISO VG 68, 100, 150, 220, 320, 460

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. Industrial Gear Oils are non-corrosive to bronze gears, copper lines and bearing materials at low to moderate operating temperatures, up to 90C (194 F) 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 U.S. Steel 224, DIN 51517 Part 3 and AGMA 250.04 EP. They are designed for use in industrial gear applications.

Meets and/or exceeds

- DIN 51517 PART 3
- ISO 12925-1 CKC/CKD
- U.S. Steel 224
- SEB 181 226
- MAG IAS Gear Oils
- David Brown S1.53.101
- AGMA 9005-E02

Notes

The ISO VG 460 grade is not recommended for use in worm gearing. Industrial Gear Oils are not formulated for use in heavily loaded hypoid gearing common in automotive service. In these cases, automotive-type gear lubricants generally offer better protection. If uncertainty exists as to the appropriate type of lubricant to use with hypoid gearing, consult the operator's manual or the nearest Nemco field representative.

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Typical Characteristics – Industrial Gear Oils

ISO VG	68	100	150	220	320	460
Viscosity at 40°C, cSt at 100°C, cSt	 68 8.5	 100 11.1	 150 14.5	 220 18.7	 320 24.0	 460 30.3
Viscosity Index	94	96	94	93	95	96
Flash Point, °C (°F)	240 (464)	250 (482)	255 (491)	258 (496)	258 (496)	260 (500)
Pour Point, °C (°F)	-24 (-11)	-18 (0)	-14 (7)	-12 (10)	-12 (10)	-11(12)
AGMA grade	2 EP	3 EP	4 EP	5 EP	6 EP	7 EP

Physical characteristics shown in the table are typical and may vary slightly.

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