

SYNTHETIC EXTREME PRESSURE Industrial Gear Oils

Description

Synthetic Extreme Pressure (EP) Industrial Gear Oils are designed for use in enclosed spur, bevel, herringbone, helical and chain drive gear boxes and other applications that require an AGMA EP or AGMA S gear oil. They are formulated to outperform conventional petroleum EP gear oils and provide excellent gear and bearing protection in extreme hot and cold temperature and heavily loaded environments.

Synthetic Extreme Pressure (EP) Industrial Gear Oils are not recommended for use with automotive differential hypoid gears. They are not compatible with polyglycol gear oils. Thorough flushing prior to changeover is required. These fluids are also not recommended for worm gear applications.

Specifications:

- ✓ U.S. Steel 224
- ✓ AGMA 9005 E-02
- ✓ DIN 51517 Part 3
- ✓ David Brown S1.53.101
- ✓ Cincinnati Machine

Features/Benefits:

- ✓ **Rust and Oxidation Inhibited**
- ✓ **Provides Wear and Micro-pitting Protection**
- ✓ **Excellent Cold Temperature Properties**
- ✓ **Shear Stable**
- ✓ **Non-foaming**
- ✓ **Rapidly separates from water**
- ✓ **Seal Compatible**
- ✓ **Compatible with Petroleum EP Oils**

Physical, Chemical & Performance Properties

Product Number	504	505	506	507	508
AGMA (EP)	3 EP	4 EP	5 EP	6 EP	7 EP
ISO Viscosity Grade	100	150	220	320	460
Viscosity 100°C, cSt	14.6	19.7	26.8	35.7	49.2
Viscosity 40°C, cSt	100.4	149.1	222.1	324.1	457.4
Viscosity Index	151	152	155	156	168
Density (lb/gal)	7.137	7.167	7.207	7.224	7.233
Flash Point °C (°F) (COC)	236 (457)	238 (460)	238 (460)	246 (475)	244 (471)
Fire Point °C (°F) (COC)	280 (536)	284 (543)	280 (536)	286 (547)	284 (543)
Pour Point °C (°F)	-50 (-58)	-44 (-47)	-40 (-40)	-40 (-40)	-35 (-31)
Foam Tendency	0/10/0	0/10/0	0/10/0	0/10/0	0/10/0
Copper Corrosion 121°C, 3 hr	1B	1B	1B	1B	1B