

Industrial HD Synthetic (AGMA) Gear Oils

Description:

Steward HD Synthetic Gear Oils are extreme pressure (EP) industrial gear oils 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 petroleum EP gear oils and provide excellent gear and bearing protection in extreme hot and cold temperature and heavily loaded environments.

Properties

- *Sulfur/Phosphorus additives for EP protection
- *Rust and Oxidation inhibited
- *Excellent cold temperature properties
- *Shear Stable
- *Non-foaming
- *Rapidly separates from water
- *Compatible with seals
- *Compatible with petroleum EP oils

Not recommended for worm gear applications.

Specifications:

US Steel 224

AGMA 250.4, 9005-D94, 9005-E02

DIN 51517, part 3

David Brown S1.53.101

Cincinnati Milacron, ISO-100 P-76, ISO-150 P-77, ISO-220 P-74, ISO-320 P-59, ISO-460 P-35, ISO-460 P-78..

These EP Industrial Gear Oils are not recommended for use with automotive differential hypoid gears.

EP Industrial Gear Oils are not compatible with polyglycol gear oils. Thorough flushing prior to changeover is required.

Typical Technical Properties:

Typical Technical Properties	4 EP	5 EP	6 EP	7 EP
AGMA EP Gear	4 EP	5 EP	6 EP	7 EP
ISO VG-ASTM D-2422	150	220	320	460
Viscosity 100°C, cSt	19.4	25.7	33.9	44.5
Viscosity 40°C, cSt	154.3	225.1	326.7	471.3
Viscosity Index	144	145	146	148
Density (lb/gal)	7.167	7.202	7.238	7.246
Flash Point, °C (°F)	244 (471)	248 (478)	250 (482)	248 (478)
Fire Point, °C (°F)	266 (511)	278 (522)	274 (525)	268 (514)
Pour Point, °C (°F)	-40 (-40)	-38 (-36)	-34 (-29)	-31 (-24)
Foam Tendency	0/0/0	0/0/0	0/0/0	0/0/0
Copper Corrosion 121°C, 3 hr	1B	1B	1B	1B