

Product Data Sheet

Product Description

Petro Lube 700 Series Gear Oil (PL700) is a high performance, extreme pressure (EP), Poly-Alpha Olefin (PAO) synthetic gear lubricant blended with high viscosity index (V.I.) base stocks to provide superior lubricant performance at both high and low temperature extremes. PL700's shear-stable formulations include rust and corrosion inhibitors as well as anti-foam and demulsibility agents. PL700's base stocks have no aromatic or naphthenic rings and are naturally resistant to oxidation, deterring the formation of acids, sludge and other deposits which can lead to lubricant degradation. PL700 Series Gear Oil contains no waxes or V.I. improvers, which can cause excessive thickening at low temperatures, and is compatible with typical mineral oils.

PL700 Series Gear Oil meets or exceeds the following specifications:

- Industrial AGMA 9005-D94
- U.S. Steel 224

Features & Benefits

- Available in nine viscosity ranges to meet the needs of a wide variety of applications.
- PAO synthetic gear lubricant blended with high V.I. base stocks to provide superior lubricant performance at both high and low temperature extremes.
- EP and anti-wear additives offer a high load carrying ability under adverse conditions.
- Anti-oxidation, anti-corrosion, and anti-foaming additives extend oil service life resulting in extended drain intervals.

Product Application

PL700 Series Gear Oil is recommended for enclosed gear drives that require premium EP gear oils in the most demanding applications and operating temperature extremes.

Notes

PL700 Series Gear Oil is especially well-suited for use in coal mill and kiln drive applications as well as anti-friction and journal bearings operating at elevated temperatures.

PL700 Series Gear Oil is compatible with typical mineral gear oils.

If you require further information contact Petron at:
info@petroncorp.com

IMPORTANT: Before using PL700 Series Gear Oil, always be sure to read and follow precautions and directions for use appearing on the product container.

Petro Lube 700 Series Gear Oil

Property	Test Method	Units	Petro Lube								
			704	705	706	707	708	708A	709	709A	710
ISO Viscosity Grade			150	220	320	460	680	1000	1500	2250	3200
AGMA Lubricant Number			4 EP	5 EP	6 EP	7 EP	8 EP	8A EP	9 EP	9A EP	10 EP
Flash Point	ASTM D-92	°C (min.)	229	232	232	232	229	229	229	229	229
		°F (min.)	445	450	450	450	445	445	445	445	445
Viscosity	ASTM D-445	cSt (@40°C)	143	208	310	445	680	1000	1500	2200	3200
		cSt (@100°C)	18.6	24.5	33	43.5	57	75	98.5	133	188
Viscosity Index	ASTM D-2270	-	147	147	148	151	147	148	148	155	171
Copper Corrosion	ASTM D-130	-	1A	1A	1A	1A	1A	1A	1A	1A	1A
Pour Point	ASTM D-97	°C	-40	-40	-37	-32	-31	-31	-26	-23	-20
		°F	-40	-40	-35	-25	-24	-24	-15	-10	-4