



PETRO LUBE 600 SERIES GEAR OIL

Product Data Sheet

Product Description

Petro Lube 600 Series Gear Oil (PL600) is a high performance, extreme pressure gear lubricant, fortified with a special proprietary extreme pressure/anti-wear package for enclosed gear drives that operate under extreme conditions where severe shock and overloads are encountered.

Premium extreme pressure additives have been compounded into high quality base oil. This oil also provides outstanding anti-wear properties to help minimize temperature increases under heavy loads. In addition, selected additives have been incorporated to provide excellent resistance to oxidation, corrosion, and foaming.

Features & Benefits

- Available in seven viscosity ranges to meet the needs of a wide variety of applications.
- Extreme pressure and anti-wear additives offer a high load carrying ability under adverse conditions. Passes 12 stages FZG.
- Solid film additives are incorporated through the addition of Organo-Moly to offer added component protection. Organo-Moly is soluble, will not precipitate or be removed through filtration.
- Anti-oxidation, anti-corrosion, and anti-foaming additives extend oil service life resulting in extended drain intervals.

Product Application

PL600 Series Gear Oil is recommended for enclosed gear drives that operate under conditions where severe shock and over loads are encountered.

Notes

PL600 Series Gear Oil is recommended for helical, bevel, spur, and herringbone gears.

PL600 Series Gear Oil is compatible with other petroleum gear oils.

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

IMPORTANT: Before using Petro Lube 600 Series Gear Oil, always be sure to read and follow precautions and directions for use appearing on the product container.

Petro Lube 600 Series Gear Oil

Property	Test Method	Units	Petro Lube						
			604	605	606	607	608	608A	609
ISO Viscosity Grade			150	220	320	460	680	1000	1500
AGMA Lubricant Number			4 EP	5 EP	6 EP	7 EP	8 EP	8A EP	9 EP
Flash Point	ASTM D-92	°C (min.)	215	215	215	215	215	215	222
		°F (min.)	420	420	420	420	420	420	432
Fire Point		°C (min.)	242	242	242	242	242	242	249
		°F (min.)	466	466	466	466	466	466	480
Viscosity	ASTM D-445	cSt (@40°C)	150	220	320	460	685	1000	1500
		cSt (@100°C)	14	18.5	24	30	42	50	69
Viscosity Index	ASTM D-2270	-	95	95	101	90	101	90	102
Copper Corrosion	ASTM D-130	-	1B	1B	1B	1B	1B	1B	1B
Four Ball Wear	ASTM D 4172B								
Wear Scar		mm	0.51	0.53	0.51	0.47	0.47	0.43	0.46
μ_{avg} (coeff. of friction)		-	0.066	0.066	0.065	0.058	0.079	0.043	0.041
Load Wear Index	ASTM D-2783								
LWI		-	45.13	47.28	57.16	61.18	53.63	51.67	70.61
Last non-seizure		kg	80	100	100	100	100	80	160
Last seizure		kg	250	200	250	315	250	315	315
Weld Load		kg	315	250	315	400	315	400	400
Rust Prevention	ASTM D-665								
Process A (distilled water)		-	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Process B (synthetic sea water)		-	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Pour Point	ASTM D-97	°C	-18	-15	-12	-9	-3	-6	-9
		°F	0	5	10	16	27	21	16
FZG Test	DIN 51354/IP334 Process A	L.S. Passed	>12	>12	>12	>12	>12	>12	>12