



ISO-9001 Registered Quality System.  
ISO-21469 Compliant.

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**LUBRIPLATE "APG" SERIES**

LUBRIPLATE "APG" Series was developed and designed to meet the majority of automotive and industrial gear applications, including military specification MIL-PRF-2105E and MIL-L-2105D. Also meets API GL-5 and MT-1. LUBRIPLATE "APG" products have high viscosity indexes ensuring stable products over a wide temperature range, high film strength, high aniline points that make them compatible with seals and gaskets and high resistance to oxidation, sludge and varnish.

LUBRIPLATE "APG" Series meet, exceed or are approved by many leading equipment manufacturers.

MIL-PRF-2105E and MIL-L-2105D  
API GL-5 and API MT-1  
Rockwell-Standard (Timken) Hypoid Gear Axles  
Eaton Spiral Bevel & Hypoid Axles  
Clark Equipment - Terex  
Marion Power Shovel Gear Oils 601-7  
Mack GO-B, GO-C, GO-E, GO-F, GO-G, and GO-H  
International Harvester SP Lubricants  
GMC Truck & Coach - All Conventional Axles  
Autocar - Brockway - Chevrolet  
Diamond Reo - Dodge - Ford - Jeep - K-W Dart  
Peterbilt - White - White-Freightliner  
American Motors Cars - Chrysler Cars  
General Motors Passenger Cars

Reliance Electric - Master Gear Head Right Angle Worm & Combination Gear Reducers  
Alling-Lander Speed Reducers

Typical Tests for the "APG" Series are listed below:

<b><u>LUBRIPLATE NO.</u></b>	<b><u>APG-75</u></b>	<b><u>APG-80</u></b>	<b><u>APG-90</u></b>	<b><u>APG-140</u></b>	<b><u>APG-250</u></b>
Viscosity SUS @ 100°F	152	356	857	2220	3700
cSt @ 40°C	31	67	185	410	701
SUS @ 210°F	44	58	92	152	203
cSt @ 100°C	5.5	9	18.6	31	42
Viscosity Index	113	113	112	107	100
API Gravity	23.4	28.0	26.5	26.0	25.8
Flash, °F/°C	350/177	380/193	428/220	405/207	390/199
Fire, °F/°C	365/185	440/227	440/227	440/227	450/232
Pour Point, °F/°C	-55/-48	-35/-37	-20/-29	0/-18	+5/-15
Color	L-2 to 2	L-2 to 2	L-3 to L-3.5	L-4 to L-4.5	L-4.5 to L-5
Government Qualification No.	----	MA-1248	MA-1249	MA-1250	----
SAE No.	75W	80W-80	85W-90	85W-140	250
ISO Grade	32	68	150/220	460	680
AGMA No.		2 EP 3 EP	4 - 5 EP	7 EP	8 EP

(Over)

<u>LUBRIPLATE No.</u>	<u>APG-75</u>	<u>APG-80</u>	<u>APG-90</u>	<u>APG-140</u>	<u>APG-250</u>
Case, 4/7 lb. Plastic Jugs	L0116-007	L0117-007	L0118-007	L0119-007	L0120-007
Case, 12/2 lb. Plastic Bottles	-----	L0117-013	L0118-013	L0119-013	L0120-013
35 lb. Pail	L0116-035	L0117-035	L0118-035	L0119-035	L0120-035
120 lb. Drum	L0116-039	L0117-039	L0118-039	L0119-039	L0120-039
415 lb. Full Size Drum	L0116-040	L0117-040	L0118-040	L0119-040	L0120-040
Carton, 36/10 oz. Tubes	-----	-----	L0118-092	-----	-----

Additional acceptable users of the LUBRIPLATE "APG" Series are

Datsun - Toyota  
 Alfa Romeo - Auto-Union Audi - BMW  
 Citroen - Daimler-Benz - Fiat - Jaguar - Daimler  
 Lancia - Lotus - Morrie - N.S.U. - Opel  
 Renault - Rolls-Royce - Rootes - Rover  
 Simca - Standard-Triumph - Vauxhall  
 Volkswagen - Volvo - Land Rover  
 Duetz - Leyland

Physical Requirements for Winter Grade of Gear Lubricants

Listed below is a table on physical requirements for gear lubricants in SAE recommended practice for specifying low temperature viscosities of gear lubricants.

Max. Temperature for Viscosity of 150,000 CP (Brookfield Viscosity)	<u>SAE 75W</u>	<u>SAE 80W</u>	<u>SAE 85W</u>
	-40°F (-40°C)	-15°F (-26°C)	+10°F (-12°C)

TYPICAL BROOKFIELD TESTS OF "APG" OILS

APG-75	85,000 to 104,000 CP @ -40°F 150,000 CP allowable @ -40°F
APG-80	50,000 CP @ -15°F 150,000 CP allowable @ -15°F
APG-90	16,000 CP @ +10°F 150,000 CP allowable @ +10°F
APG 140	78,000 CP @ +10°F 150,000 CP allowable @ +10°F