



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

#### Sales, Service & Distribution Center

Newark, NJ 07105  
Phone: 973-589-9150 Fax: 973-589-4432

#### Manufacturing, Sales, Service & Distribution Center

Toledo, OH 43605  
Phone: 419-691-2491 Fax: 419-693-3806

#### Sales and Tech Service Support

Phone: 1-800-733-4755

## PRODUCT DATA

# LUBRIPLATE "APG" SERIES

## DESCRIPTION

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.

## ADVANTAGES

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*

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*

## Typical Test Data – See Back

## APPLICATIONS

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. LUBRIPLATE "APG" Series also meets API GL-5 and MT-1.

### PACKAGING AVAILABLE

	<u>APG-75</u>	<u>APG-80</u>
Case, 4/7 lb. Plastic Jugs	L0116-007	L0117-007
Case, 12/2 lb. Plastic Bottles	***	L0117-013
35 lb. Pail	L0116-035	L0117-035
120 lb. Drum	L0116-039	***
415 lb. Full Size Drum	L0116-040	L0117-040

### PACKAGING AVAILABLE

	<u>APG-90</u>	<u>APG-140</u>
Case, 4/7 lb. Plastic Jugs	L0118-007	L0119-007
Case, 12/2 lb. Plastic Bottles	L0118-013	L0119-013
35 lb. Pail	L0118-035	L0119-035
120 lb. Drum	L0118-039	L0119-039
415 lb. Full Size Drum	L0118-040	L0119-040

### PACKAGING AVAILABLE

	<u>APG-250</u>
Case, 4/7 lb. Plastic Jugs	L0120-007
Case, 12/2 lb. Plastic Bottles	L0120-013
35 lb. Pail	L0120-035
120 lb. Drum	***
415 lb. Full Size Drum	L0120-040

PROPERTY		TEST METHOD	TYPICAL RESULTS*				
			ASTM	APG-75	APG-80	APG-90	APG-140
Viscosity:	SUS @ 100°F	ASTM D-2161	152	356	857	2220	3700
	cSt @ 40°C	ASTM D-445	31	67	185	410	701
	SUS @ 210°F	ASTM D-2161	44	58	92	152	203
	cSt @ 100°C	ASTM D-445	5.5	9	18.6	31	42
Viscosity Index		ASTM D-2270	113	113	112	107	100
API Gravity		ASTM D-287	23.4	28.0	26.5	26.0	25.8
Flash Point		ASTM D-92	350°F/ 177°C	380°F/ 193°C	428°F/ 220°C	405°F/ 207°C	390°F/ 199°C
Fire Point		ASTM D-92	365°F/ 185°C	440°F/ 227°C	440°F/ 227°C	440°F/ 227°C	450°F/ 232°C
Pour Point		ASTM D-97	-55°F/ -48°C	-35°F/ -37°C	-20°F/ -29°C	0°F/ -18°C	5°F/ -15°C
Color		ASTM D-1500	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
<b>Brookfield Tests of "APG" Oils</b>		<b>APG-75</b>	85,000 to 104,000 CP @ -40°F 150,000 CP allowable @ -40°F				
		<b>APG-80</b>	50,000 CP @ -15°F 150,000 CP allowable @ -15°F				
		<b>APG-90</b>	16,000 CP @ 10°F 150,000 CP allowable @ 10°F				
		<b>APG-140</b>	78,000 CP @ 10°F 150,000 CP allowable @ 10°F				