



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

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## PRODUCT DATA

# LUBRIPLATE SYN "1600" SERIES SYNTHETIC HIGH PERFORMANCE GREASES

## DESCRIPTION

The LUBRIPLATE SYN "1600 Series of Synthetic High Performance Greases are 100% synthetic products. They are not synthetic blend greases. This produces far superior oxidation stability, better wear protection and significantly better operating temperature ranges. Manufactured with 100% polyalphaolefin (PAO) base fluids and thickened with lithium complex, the LUBRIPLATE SYN "1600" Series greases are compatible with conventional lithium-thickened, mineral oil-based greases. The LUBRIPLATE SYN "1600" Series greases are fortified with additives to prevent rust and corrosion and to reduce grease bleed.

## APPLICATIONS

Perfect for multi-purpose and heavy-duty industrial applications and all automotive applications

## ADVANTAGES

### Manufactured with 100% PAO synthetic base fluid:

- ⇒ Outstanding effective lubricating temperature range, -50°F to 450°F
- ⇒ Unsurpassed oxidation stability
- ⇒ Compatibility with most mineral oil-based greases

### Lithium-complex thickener:

- ⇒ High dropping (melting) points to 500°F(260°C)
- ⇒ Outstanding shear stability. These greases do not thin out when worked in the application
- ⇒ Reduces grease product needs. LUBRICANT CONSOLIDATION

### Multi-functional additive system:

- ⇒ Prevents wear
- ⇒ Prevents rust and corrosion
- ⇒ Prevents grease bleed <2%

## Typical Test Data – See Back

### PACKAGING AVAILABLE

	<b>SYN-1602</b>	<b>SYN-1601</b>
35 lb. Pail	L0302-035	L0301-035
120 lb. Quarter Size Drum	L0302-039	L0301-039
420 lb. Full Size Drum	L0302-040	L0301-040
Carton, 40/14 oz. Cartridges	L0302-098	***
Carton, 40/13½ oz. Cartridges	***	L0301-098

### SYN-1600

### SYN-1600/00

35 lb. Pail	L0300-035	L0299-035
120 lb. Quarter Size Drum	L0300-039	***
420 lb. Full Size Drum	L0300-040	L0299-040



PROPERTY	TEST METHOD	TYPICAL RESULTS*				
		SYN 1602	SYN 1602 1/2	SYN 1601	SYN 1600	SYN 1600/00
ISO (VG)	ASTM D-2422	220	460	220	220	460
Kinematic Vis. @ 40°C	ASTM D-445	220	446	218	218	480
Kinematic Vis. @ 100°C	ASTM D-445	26	45	26	26	47.6
Viscosity Index		151	***	***	***	***
Flash Point °C/°F	ASTM D-92	262°C/ 505°F	262°C/ 505°F	260°C/ 500°F	260°C/ 500°F	510°F
Fire Point °C/°F	ASTM D-92	288°C/ 550°F	288°C/ 550°F	288°C/ 550°F	288°C/ 550°F	N/A
Pour Point °F	ASTM D-97	-50°F	-45°F	-50°F	-50°F	-30°F
NLGI Grade	ASTM D-217	2	1/2	1	0	00
Texture	Visual	Smooth	Smooth	Smooth	Smooth	Smooth
Dropping Point °C	ASTM D-2265	>260°C	>240°C	>260°C	>260°C	>230°C
Timken EP Test OK Load	ASTM D-2509	60 lbs.	60 lbs.	50 lbs.	50 lbs.	N/A
Four Ball EP Test	ASTM D-2596	400 kg.	400 kg.	400 kg.	400 kg.	320 kg.
Oil Separation	ASTM D-1742	<1.5%	10.5%	<5.0%	n/a	Pending
Federal Bleed Test Method		***	***	***	***	<5.0%
Evaporation Loss	ASTM D-972	<1.0%	N/A	<1.0%	<1.0%	***
Oxidation Stability	ASTM D-942	1½ psi	2 psi	1½ psi	0 psi	Pending
Corrosion - 3 hours	ASTM D-130	1a	1a	1a	1a	1a
Rust Preventative Properties	ASTM D-1743	Pass – No Corrosion	Pass – No Corrosion	Pass – No Corrosion	Pass – No Corrosion	Pending
Wheel Bearing Leakage	ASTM D-4290	1.6 gm.	N/A	4.78 gm.	N/A	N/A