



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

35 lb. Pail  
120 lb. Quarter Size Drum  
420 lb. Full Size Drum  
Carton, 40/14 oz. Cartridges  
Carton, 40/13½ oz. Cartridges

### SYN-1602

L0302-035  
L0302-039  
L0302-040  
L0302-098  
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### SYN-1601

L0301-035  
L0301-039  
L0301-040  
\*\*\*  
L0301-098

### SYN-1600

35 lb. Pail  
120 lb. Quarter Size Drum  
420 lb. Full Size Drum

L0300-035  
L0300-039  
L0300-040

### SYN-1600/00

L0299-035  
\*\*\*  
L0299-040



| PROPERTY                     | TEST METHOD | TYPICAL RESULTS*       |                        |                        |                        |                |
|------------------------------|-------------|------------------------|------------------------|------------------------|------------------------|----------------|
|                              |             | SYN<br>1602            | SYN<br>1602 1/2        | SYN<br>1601            | SYN<br>1600            | SYN<br>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/<br>505°F        | 262°C/<br>505°F        | 260°C/<br>500°F        | 260°C/<br>500°F        | 510°F          |
| Fire Point °C/°F             | ASTM D-92   | 288°C/<br>550°F        | 288°C/<br>550°F        | 288°C/<br>550°F        | 288°C/<br>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<br>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 –<br>No Corrosion | Pass –<br>No Corrosion | Pass –<br>No Corrosion | Pass –<br>No Corrosion | Pending        |
| Wheel Bearing Leakage        | ASTM D-4290 | 1.6 gm.                | N/A                    | 4.78 gm.               | N/A                    | N/A            |