

ConocoPhillips Tacna® 2000 NLGI No. 2

Category : Fluid , Lubricant , Lithium Gellant , Organic Soap Gellant

Material Notes:

Description: Conoco Tacna 2000 is available in two NLGI grades: No. 1 and No. 2. The No. 2 grade is ideal for use in heavily loaded sleeve-type bushings and bearings subjected to shock loading and operated at medium to high ambient temperatures. It is also ideal for use as a fifth wheel grease commonly found on tractor/trailers. The No. 1 grade provides better fluidity and is recommended for lower ambient temperatures. Tacna 2000 is manufactured from high-viscosity index paraffinic base oils and lithium 12-hydroxy stearate soap stock. It is fortified with an adhesive polymer, rust and corrosion inhibitors, and an effective extreme-pressure additive, which results in an exceptionally stable grease that resists separation under heavy loads. It is also extremely resistant to water washing, as evidenced by its excellent water-washout and spray-off characteristics. Tacna 2000 contains an effective polymer which prevents oil bleeding while providing an exceptional level of protection under shock loading conditions. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-Tacna-2000-NLGI-No-2.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|---------|---------|-------------------------------------|
| Viscosity Measurement | 95 | 95 | Viscosity Index (Base Oil Property) |
| Saybolt Viscosity at 100°F | 880 SUS | 880 SUS | Base Oil Property |
| Saybolt Viscosity at 210°F | 86 SUS | 86 SUS | Base Oil Property |
| Kinematic Viscosity at 40°C (104°F) | 140 cSt | 140 cSt | Base Oil |
| Kinematic Viscosity at 100°C (212°F) | 14 cSt | 14 cSt | Base Oil |

| Mechanical Properties | Metric | English | Comments |
|---------------------------------------|-----------|---------------|-----------------------|
| Four Ball Extreme Pressure, Weld Load | 315 kg | 695 lb (mass) | |
| Four Ball Wear | 0.480 mm | 0.0189 in | |
| Penetration | 266 - 294 | 266 - 294 | Worked 10,000 strokes |
| Penetration P(60), 1/10 mm | 280 | 280 | |
| Timken Test | 22700 g | 50.0 lb | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|----------|---------------------|
| Maximum Service Temperature, Air | 135 °C | 275 °F | |
| Minimum Service Temperature, Air | -17.8 °C | 0.000 °F | |
| Pour Point | -12.2 °C | 10.0 °F | (Base Oil Property) |
| Dropping Point | 204 °C | 400 °F | |

| Thermal Properties | Metric | English | Comments |
|--------------------------|--------|--------------------|----------|
| Descriptive Properties | | Value | Comments |
| ASTM Rust Test (A & B) | | Pass | |
| Color | | Amber | |
| Copper Corrosion | | 3A | |
| Low Temperature Mobility | | 0.1 gm/sec | at 0°F |
| | | 0.4 gm/sec | at 10°F |
| | | 1 gm/sec | at 20°F |
| Oxidation Stability | | 3 psi drop/100 hrs | |
| | | 7 psi drop/500 hrs | |
| Roll Stability | | 1% Change | |
| Soap Type (Thickener) | | Lithium | |
| Water Spray Off | | 5 wt.% Loss | |
| Water Washout | | 5 wt.% Loss | 175°F |

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