

ConocoPhillips Tacna® 2000 NLGI No. 1

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-1.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	309 - 341	309 - 341	Worked 10,000 strokes
Penetration P(60), 1/10 mm	325	325	
Timken Test	20400 g	45.0 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		0.2 gm/sec	at 0°F
		0.6 gm/sec	at 10°F
		0.8 gm/sec	at 20°F
Mobility		0.16 g/s	0°F
		0.19 g/s	10°F
		0.27 g/s	20°F
Oxidation Stability		3 psi drop/100 hrs	
		7 psi drop/500 hrs	
Roll Stability		5% Change	
Soap Type (Thickener)		Lithium	
Water Spray Off		11 wt.% Loss	
Water Washout		15 wt.% Loss	175°F

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