

## ConocoPhillips SUPER-STA M NLGI No.1

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

### Material Notes:

Description: Conoco Super-STA and Super-STA M Greases are premium-quality, extreme-pressure (EP), multipurpose lithium greases recommended for lubrication of wheel bearings, chassis, ball joints, C.V. joints, U-joints, and brake self-adjusting screws found in passenger cars, trucks, agricultural machinery and industrial equipment. They are also recommended for other applications that call for an EP lithium grease. Super-STA M Grease is composed of Super-STA Grease, with the addition of Molybdenum Disulfide (Moly). It meets Mack MG-C performance requirements for a chassis lubricant. Moly is used to reduce wear by maintaining lubrication under conditions of high friction and shock loads. Super-STA and Super-STA M Greases are manufactured with high viscosity-index paraffinic base oils thickened with lithium 12-hydroxy stearate soap stock. They contain rust and corrosion inhibitors, an effective EP additive and a tackiness agent. This additive combination results in quality greases which ensure excellent lubrication and longer bearing life. Information provided by ConocoPhillips.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ConocoPhillips-SUPER-STA-M-NLGI-No1.php](http://www.lookpolymers.com/polymer_ConocoPhillips-SUPER-STA-M-NLGI-No1.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)	190 cSt	190 cSt	Base Oil
Kinematic Viscosity at 100°C (212°F)	17 cSt	17 cSt	Base Oil

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	50	50	
Four Ball Extreme Pressure, Weld Load	315 kg	695 lb (mass)	
Four Ball Wear	0.420 mm	0.0165 in	
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	-20.6 °C	-5.00 °F	
Pour Point	-12.2 °C	10.0 °F	(Base Oil Property)

Thermal Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
ASTM Rust A&B	Pass	
Color	Gray/Black	
Low Temperature Mobility	0.1 gm/sec	at 0°F
	0.2 gm/sec	at 10°F
	0.4 gm/sec	at 20°F
Oil Separation	2.4 wt. %	
Roll Stability	5% Change	
Shear Stability	0% Change	
Soap Type (Thickener)	Lithium	
Wheel Bearing Leakage	0.7% Loss	

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