

ConocoPhillips Syncon® HP Synthetic Grease NLGI No. 1

Category : Fluid , Lubricant , Lithium Gellant , Organic Soap Gellant , Polyalphaolefin (PAO)

Material Notes:

Description: Conoco Syncon HP Synthetic Grease is a high-quality, synthetic polyalphaolefin (PAO) lithium grease developed to provide exceptional protection and corrosion resistance for bearings and moving parts operating in corrosive environments at moderate to arctic temperatures. It flows readily to lubricate the idler bearings in extended-length conveyors, the chassis and wheel bearings of on- and off-road equipment and other applications where low-temperature pumpability and fluidity are critical. Conoco customers have successfully used this product to lubricate equipment operating at temperatures as low as -55°F (-48°C) using conventional and air-operated grease guns. Syncon HP Synthetic Grease is approved by General Motors Corporation under part No. 9985377 to lubricate the moving mechanisms for automobile seats and shifters during assembly operation. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-Syncon-HP-Synthetic-Grease-NLGI-No-1.php

Physical Properties	Metric	English	Comments
Saybolt Viscosity at 100°F	166 SUS	166 SUS	Base Oil Property
Saybolt Viscosity at 210°F	75 SUS	75 SUS	Base Oil Property
Kinematic Viscosity at 40°C (104°F)	34 cSt	34 cSt	Base Oil
Kinematic Viscosity at 100°C (212°F)	6.0 cSt	6.0 cSt	Base Oil

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	35	35	
Four Ball Extreme Pressure, Weld Load	250 kg	551 lb (mass)	
Four Ball Wear	0.510 mm	0.0201 in	Scar
Penetration P(60), 1/10 mm	323	323	
Timken Test	4540 g	10.0 lb	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	37.8 °C	100 °F	
Minimum Service Temperature, Air	-48.3 °C	-55.0 °F	
Pour Point	-53.9 °C	-65.0 °F	(Base Oil Property)
Dropping Point	200 °C	392 °F	

Descriptive Properties	Value	Comments
ASTM Rust Fresh and Saltwater	Pass	
Color	Brown	
Low Temperature Mobility	0.08 gm/sec	at 0°F
	0.13 gm/sec	at 10°F
	0.38 gm/sec	at 20°F
Low Temperature Torque Run at -40°F	221	ASTM D1478
Low Temperature Torque Run at -65°F	319	ASTM D1478
Low Temperature Torque Start at -40°F	553	ASTM D1478
Low Temperature Torque Start at -65°F	1671	ASTM D1478
Soap Type (Thickener)	Lithium	

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