

ConocoPhillips Gear Shield NC Open Gear Lubricant

Category : Fluid , Lubricant

Material Notes:

Description: Conoco Gear Shield NC is a black, viscous fluid designed to lubricate open gears. Gear Shield NC contains neither chlorinated solvents nor lead compounds. Gear Shield NC is designed to provide open gear lubrication while avoiding the use of environmentally hazardous chlorine compounds that have been used in earlier generation open gear lubricants. Gear Shield NC provides a safe and effective lubricating film to protect and lubricate all open gears operating under the latest gear technology. The lubricant drains freely from gear shrouds. The lubricating film protects the gears under conditions of shock loading, high-power input during startup and for all operating conditions for mill service, including dual pinion drives operating with 40-foot diameter gears. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-Gear-Shield-NC-Open-Gear-Lubricant.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ASTM D 1298
Saybolt Viscosity at 100°F	20000 - 30000 SUS	20000 - 30000 SUS	Diluted; ASTM D 445
Saybolt Viscosity at 210°F	5000 - 10000 SUS	5000 - 10000 SUS	Undiluted; ASTM D 445
Kinematic Viscosity at 40°C (104°F)	4320 - 6480 cSt	4320 - 6480 cSt	Diluted; ASTM D 445
Kinematic Viscosity at 100°C (212°F)	1070 - 2145 cSt	1070 - 2145 cSt	Undiluted; ASTM D 445

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	70	70	ASTM D 2596
Four Ball Extreme Pressure, Weld Load	400 kg	882 lb (mass)	ASTM D 2596
Four Ball Wear	0.400 - 0.500 mm	0.0157 - 0.0197 in	Scar Diameter; ASTM D 2266
Timken Test	20400 g	45.0 lb	ASTM D 2509

Thermal Properties	Metric	English	Comments
Flash Point	>= 121 °C	>= 250 °F	

Descriptive Properties	Value	Comments
Appearance	Viscous, Semi-Fluid	
Color	Black	
Copper Corrosion	2B	ASTM D130

Diluent Content Descriptive Properties	13 wt. % Value	Comments
FZG	Pass 12 Stages	
Mobility	0.036 g/s	US Steel DM43, 0°C
Rust	Pass	ASTM D665, 24 hrs @ 60°C
Specific Mass Loss	0.068 mg/kwh	

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