

ConocoPhillips 680 Gear Oil AGMA Lubricant No. 8EP

Category : Fluid , Lubricant

Material Notes:

Description: Conoco Gear Oil is a heavy-duty extreme-pressure industrial gear lubricant formulated from high-quality hydrocracked base stocks to provide excellent oxidation inhibition, EP load-carrying capacity, resistance to foaming and rust and corrosion protection. Gear Oil is recommended for use in a variety of enclosed gear set types operating under demanding conditions. Gear Oil has been tested and formally approved by Cincinnati Milacron in accordance with its Lubricant Specifications (ISO 68 to 1000, respectively – P-63, 76, 77, 74, 59, 35 and 78). Gear Oil exceeds the latest AGMA Specification 9005 (replacement for 250.04) and U.S. Steel 224 Specification for enclosed gear lubricants. Gear Oil "M" series are specially formulated for use in enclosed gear sets equipped with mist lubrication systems and are approved by Aluminum Company of America (Alcoa) in accordance with its Lubricant Specifications. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-680-Gear-Oil-AGMA-Lubricant-No-8EP.php

Physical Properties	Metric	English	Comments
Density	0.908 g/cc	0.0328 lb/in ³	
Viscosity Measurement	85	85	Viscosity Index
Saybolt Viscosity at 100°F	3000 SUS	3000 SUS	
Saybolt Viscosity at 210°F	165 SUS	165 SUS	
Kinematic Viscosity at 40°C (104°F)	680 cSt	680 cSt	
Kinematic Viscosity at 100°C (212°F)	35 cSt	35 cSt	
Oxidative Stability	2500 hour	2500 hour	Oxidation Control; ASTM D-2893
ASTM Color	6.0	6.0	

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	250 kg	551 lb (mass)	
Four Ball Wear	0.350 mm	0.0138 in	
Timken Test	27200 g	60.0 lb	

Thermal Properties	Metric	English	Comments
Pour Point	-1.11 °C	30.0 °F	
Flash Point	227 °C	440 °F	

Descriptive Properties	Value	Comments
Copper Corrosion	1A	
Emulsion	0	
Emulsion Characteristics (40-40-0)	50 minutes	ASTM D-1401
Foam Control (Sequence I,II,III)	0-0-0	
Free Water, Total	85 ml	ASTM D2711
FZG	12	ASTM D5182, pass, load stage
Water in Oil	0.6 %	ASTM D2711

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