

ConocoPhillips SynXPA® HC-450 H Lubricant HC-450

Category : Fluid , Lubricant , Synthetic Ether Base

Material Notes:

Description: Conoco SynXPA H Lubricant is a premium-quality synthetic-polyolester lubricant that offers protection for heavily loaded and partially opened open gears, such as those in ball mills, shovels, kilns and draglines. It is also useful for wire ropes, shovel boom sticks and slow moving bearings. It is inherently biodegradable (up to 90 percent biodegradable, as per CEC, OECD testing) and nontoxic (As per acute mammalian toxicity studies.). SynXPA H Lubricant can be applied to the surface through most automatic lubricators or through automated delivery lines and an air assisted sprayer. Pressure-lubrication bins, lines and pumps need not be purged unless they are plugged by residual asphaltic materials. SynXPA H Lubricant meets the performance requirements of the American Gear Manufacturers Association (AGMA) 251.02 Specification for high-viscosity-grade, extreme-pressure gear lubricants. SynXPA H Lubricant offers high film strength and film thickness. It spreads out and coats surfaces evenly for better distribution of load. It reduces the gear surface temperatures and minimizes the temperature gradient across the gear face, which typically is associated with slightly misaligned gear sets. Polyolesters have great affinity for metals. As such, SynXPA H Lubricant bonds to gear surfaces and provides exceptional shock loading protection at startups and in situations where the equipment may be idle for extended periods of time. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-SynXPA-HC-450-H-Lubricant-HC-450.php

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	9400 cSt	9400 cSt	
Kinematic Viscosity at 100°C (212°F)	500 cSt	500 cSt	

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	120	120	
Four Ball Wear	0.850 mm	0.0335 in	
Penetration	355 - 385	355 - 385	ASTM D-217
Timken Test	34000 g	75.0 lb	

Thermal Properties	Metric	English	Comments
Flash Point	104 °C	220 °F	

Descriptive Properties	Value	Comments
Color	Brown	

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