

ConocoPhillips SynXPA® H-500 H Lubricant H-500

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-H-500-H-Lubricant-H-500.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|-----------|-----------|----------|
| Kinematic Viscosity at 40°C (104°F) | 11000 cSt | 11000 cSt | |
| Kinematic Viscosity at 100°C (212°F) | 500 cSt | 500 cSt | |

| Mechanical Properties | Metric | English | Comments |
|---|-----------|---------------|------------|
| Four Ball Extreme Pressure, Load Wear Index | 70 | 70 | |
| Four Ball Extreme Pressure, Weld Load | 315 kg | 695 lb (mass) | |
| Four Ball Wear | 0.310 mm | 0.0122 in | |
| Penetration | 265 - 295 | 265 - 295 | ASTM D-217 |
| Timken Test | 34000 g | 75.0 lb | |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Flash Point | 191 °C | 375 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color | Brown | |

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