



## Syncon<sup>®</sup> Mist Oil

Syncon Mist Oil is a premium quality, synthetic, extreme-pressure (EP) gear lubricant developed for use in oil mist lubrication systems for enclosed industrial gear drives operating under extreme-temperature conditions.

Syncon Mist Oil is formulated with synthetic polyalphaolefin (PAO) base oils, a misting agent and specially tailored additives that provide extreme-pressure properties plus rust and corrosion protection. It has outstanding oxidation resistance and thermal stability at high temperatures to minimize deposit formation, and has high load-carrying capacity for protection against scuffing and wear. The misting agent helps reduce fogging and stray mist.

### **Applications**

Syncon Mist Oil is recommended for use in oil mist lubrication systems for:

- Lightly to moderately loaded enclosed industrial gear drives with spur, helical, herringbone or bevel gears
- Chain drives
- Plain and rolling-element bearings in rolling, rod and wire mills

Syncon Mist Oil meets the requirements of the following industry specifications:

- ANSI/AGMA Standard 9005-E02
- U.S. Steel 224

**Note:** Syncon Mist Oil is **not** recommended for use in worm gear drives with bronze or brass bull gears, since these types of gears require heavier viscosity lubricants with oiliness agents.

### **Features/Benefits**

- Outstanding oxidation resistance and thermal stability at high temperatures
- Excellent low-temperature fluidity
- High load-carrying capacity
- Reduces stray mist
- Low fogging tendency
- Protects against scuffing and wear
- Protects against rust and corrosion

**Synthetic  
PAO-Based  
Extreme-Pressure  
Industrial  
Gear Lubricant  
For  
Mist Lubrication  
Systems**

### **CONTACT INFORMATION**

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Lubricants.com**

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**1-877-445-9198**

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Customer Service:  
**1-832-765-2500**

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p66.com**



## Syncon® Mist Oil

### Typical Properties

<b>ISO Grade</b>	<b>100</b>
<b>AGMA Grade</b>	<b>3 EP</b>
Specific Gravity @ 60°F	0.862
Density, lbs/gal @ 60°F	7.18
Color, ASTM D1500	L 0.5
Flash Point (COC), °C (°F)	274 (525)
Pour Point, °C (°F)	-36 (-33)
Viscosity,	
cSt @ 40°C	93.0
cSt @ 100°C	13.2
SUS @ 100°F	477
SUS @ 210°F	72.2
Viscosity Index	141
Acid Number, ASTM D974, mg KOH/g	0.22
Copper Corrosion, ASTM D130	1a
Demulsibility, ASTM D1401, minutes to pass	10
Foam Test, ASTM D892	Pass
Four-Ball EP, ASTM D2783, Weld Load, kgf	250
Four-Ball Wear, ASTM D4172, Scar Diameter, mm	0.33
Oxidation Stability, RPVOT, ASTM D2272, minutes	1,750
Rust Test, ASTM D665 A&B	Pass

### Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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