



TECHNICAL DATA SHEET

SUPER LUBE® SYNTHETIC EXTRA LIGHTWEIGHT OIL

November 2019

PRODUCT DESCRIPTION:

Super Lube® Synthetic Extra Lightweight Oil is an ISO-46 multi-use oil with well-balanced performance in a range of applications.

Super Lube® Synthetic Extra Lightweight Oil exhibits excellent performance in high pressure vanes, piston and gear pumps, providing longer and optimum performance. It has excellent oxidation resistance, separates readily from water, resistant to foaming, allowing extension of oil filter intervals while assuring a clean system.

Super Lube® Extra Lightweight Oil is an NSF registered Food Grade lubricant, rated H1 for incidental food contact. Meets former USDA (H1) guidelines.



APPLICATIONS:

- ❖ Viscosity stable
- ❖ Wide operating temperature range of -40°F – 500°F
- ❖ Superior at low temperatures
- ❖ Prevents rust and corrosion
- ❖ Separates readily from water
- ❖ Excellent oxidation resistance
- ❖ Environmentally friendly
- ❖ Superior heat transfer
- ❖ NSF Registered H1 #136306
- ❖ Kosher Certified

TYPICAL APPLICATIONS:

- ❖ Hydraulic
- ❖ Compressor
- ❖ Thermal-Heat Transfer
- ❖ Horizontal Slideways
- ❖ Light Duty Vacuum Pumps
- ❖ Chains
- ❖ Cables
- ❖ Pumps
- ❖ Bearings
- ❖ Motors
- ❖ Air Line Lubricators
- ❖ Textile Spindles
- ❖ Grinder Arbor Bearings
- ❖ Ring Oiled Bearings
- ❖ Wick Feeds



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PACKAGE SIZES:

Part No.	Description	Part No.	Description
53004	4 oz. Bottle	53040	1 Gallon Bottle
53008	8 oz. Bottle	53050	5 Gallon Pail
53020	1 Pint Bottle	53150	15 Gallon Keg
53030	1 Quart Bottle	53550	55 Gallon Drum

PROPERTIES:

Test	Test Method	Rating
Color:		Translucent
Temperature Range		
Continuous:		-40°F to 500°F (-40°C to 260°C)
Intermittent:		-40°F to 650°F (-40°C to 343°C)
Viscosity		
cSt @ 100°C:	ASTM D445	8.4
cSt @ 40°C:	ASTM D445	43
ISO Grade:		46
Replaces ISO Grades:		68
Replace SAE Grade Gear Oils		75W
Viscosity index		175
Specific Gravity:	ASTM D1298	.89 @ 60°F
Pour Point:	ASTM D97	-40°F (-40°C) maximum
Water, PPM:	ASTM D1744	40 ppm
Tan:	ASTM D974	0.02 maximum
Four Ball Test	ASTM D2596 and D2783	
Load Wear Index:		27 kg
Weld Point:		130 kg
Four Ball EP Test Scar Diameter:	ASTM D2266 and D4172	< 0.5 mm
Salt Spray Test (100 hrs.):	ASTM B117	Pass
Dielectric Loss:	ASTM D924	1.2 x 10 ¹²
Dielectric Resistivity:	ASTM D1169	1.7 x 10 ¹²
Dielectric Constant:	ASTM D924	2.5
Evaporation Loss		
22 hrs. @ 212°F (100°C)	ASTM D972	< 2%
Oxidation Stability, 100 hrs.:	ASTM D942 and D943	4 psi
Flash Point:	ASTM D92	>450°F (232°C)
Fire Point:	ASTM D92	>525°F (300°C)
Copper Corrosion		



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24 hrs. @ 100°C:	ASTM D4048 and D130	1A
Acid Number:	ASTM D664	0.5 mg KOH/g

DIRECTIONS:

- Clean area to be treated
- Apply oil

SHELF LIFE / WARRANTY:

Super Lube® products have a five (5) year recommended shelf life when stored in the original container and in reasonable ambient conditions. The warranty period is twenty-four (24) months from the date of purchase. For complete information visit www.super-lube.com/what-is-the-shelf-life-ezp-320.html.



See Safety Data Sheet (SDS) for further details regarding safe use of this product.



Made in USA

The information provided in this Technical Data Sheet, including the recommendations for use and application of the product are based on our knowledge and experience of the product as of the date of this data sheet. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Synco Chemical Corporation is, therefore not liable for the suitability of our product for the production processes and conditions in respect for which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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