

TECHNICAL DATA SHEET

SUPER LUBE® SYNTHETIC GEAR OIL

May 2025

PRODUCT DESCRIPTION:

Super Lube® Synthetic Gear Oils are a premium quality, extreme pressure gear oil with excellent load carrying capacity.

Super Lube® Synthetic Gear Oils are NSF Food Grade Rated H1.
Safe for incidental food contact.



FEATURES:

- ❖ Dielectric
- ❖ Food grade
- ❖ Clean
- ❖ Forms heavy film to lubricate and cushion gear teeth
- ❖ Superior anti-wear properties
- ❖ Prevents rust and corrosion
- ❖ Excellent anti-oxidation resistance
- ❖ Separates readily from water
- ❖ Extreme pressure protection
- ❖ Kosher certified
- ❖ NSF Registered (H1), # 136745

TYPICAL APPLICATIONS:

- ❖ Spur gear
- ❖ Helical
- ❖ Herringbone
- ❖ Rack and pinion
- ❖ Worm gears
- ❖ Straight and spiral bevel
- ❖ Chain drive
- ❖ Circulating systems
- ❖ High temperature chains
- ❖ Oil lubricated bearings
- ❖ Gear boxes
- ❖ Electrical submersible pumps

PACKAGE SIZES:

Part No.	Description	Part No.	Description	Part No.	Description
54100	1 Quart Bottle ISO 150	54300	1 Quart Bottle ISO 320	54632	1 Quart Bottle ISO 680
54101	1 Gallon Bottle ISO 150	54301	1 Gallon Bottle ISO 320	54601	1 Gallon Bottle ISO 680
54105	5 Gallon Pail ISO 150	54305	5 Gallon Pail ISO 320	54605	5 Gallon Pail ISO 680
54155	55 Gallon Drum ISO 150	54355	55 Gallon Drum ISO 320	54655	55 Gallon Drum ISO 680
54200	1 Quart Bottle ISO 220	54432	1 Quart Bottle ISO 460		
54201	1 Gallon Bottle ISO 220	54401	1 Gallon Bottle ISO 460		
54205	5 Gallon Pail ISO 220	54405	5 Gallon Pail ISO 460		
54255	55 Gallon Drum ISO 220	54455	55 Gallon Drum ISO 460		

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PROPERTIES:

Test	Test Method	Rating				
		ISO 150	ISO 220	ISO 320	ISO 460	ISO 680
Color:		Translucent Amber				
Temperature range:		-40°F to 450°F (-40°C to 232°C)				
Viscosity						
cSt @ 100°C:	ASTM D445	22.4	31.2	40.3	55.1	78
cSt @ 40°C:	ASTM D445	150	220	320	460	680
Viscosity Index:	ASTM D567	131	141	144	146	141
4-Ball EP, Weld Point:	ASTM D2783	315 kg	315 kg	315 kg	315 kg	315 kg
4-Ball scar:	ASTM D4172	0.46 mm	0.44 mm	0.39 mm	0.44 mm	0.38 mm
Copper Corrosion:	ASTM D130	1B	1B	1B	1B	1B
Dielectric Strength @ 25°C, kV:		>30kV	>30kV	>30kV	>30kV	>30kV

DIRECTIONS:

- Check to make sure the correct ISO viscosity is used based on manufacturers specification.
- Shake/stir container.
- While adding oil use care not to contaminate the 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.



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. Kano Laboratories LLC 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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