



# HYDRAULIC OIL FG

## FOOD GRADE GEAR OIL

### DESCRIPTION

Jet-Lube® Hydraulic Oils FG are blended using a food grade base oil called Excelsior™.

Most base oils used in industrial lubricants are yellow or amber in color. This "discoloration" is caused by a variety of impurities including traces of sulfur, nitrogen and inferior aromatic oils. Nitrogen promotes oxidation and deposit formation. Aromatics have poor oxidation stability. Excelsior™ base oils are colorless and free of these materials. Excelsior™ oil is ideal for use in applications involving food machinery.

In laboratory tests, Excelsior™ base oil shows a major reduction in evaporation loss. Oxidation stability exceeds that of conventional base oils by 60-100%. These performance improvements translate into reduced carbon and varnish deposits. The result is longer oil and component life.

H-1 registration allows Jet-Lube® Hydraulic Oils FG to be used in areas where a nontoxic oil is required. It is recommended for high-pressure hydraulic systems, as well as bearing lubrication.

Jet-Lube® Hydraulic Oils FG Oils are produced under the supervision of VA'AD HAKASHRUS of Dallas, Inc. doing business as Dallas kosher-pareve, and is considered for year-round use including Passover.

Jet-Lube® Hydraulic Oil FG is also certified by Halal and does not contain any haram items in their ingredients. It meets DIN 51524 part 2.

### APPLICATIONS

Jet-Lube® Hydraulic Oil FG is recommended for hydraulic applications whenever there is the chance the lubricant may have incidental contact with edible products and need an H-1 rated lubricant. May also be used as a general lubricant when H-1 products are required. Also recommended for air line oilers and low-pressure vacuum pumps.

Registered with NSF, Kosher and Halal.

### BENEFITS

- H-1 RATED - for use in federally inspected meat and poultry plants, as well as beverage and other food processing facilities where incidental food contact may occur.
- ANTIWEAR ADDITIVE - extends equipment life and minimizes downtime.
- EXCELLENT DEMULSIBILITY - separates easily from water.
- RUST AND CORROSION INHIBITED - protects metal surfaces against the effects of moisture and acids.
- EXTENDED OIL LIFE - free of impurities including sulfur, nitrogen, and inferior aromatic oils.

ASTM #		TYPICAL CHARACTERISTICS			
	ISO Grade	32	46	68	100
D-445	Kinematic Viscosity cSt @ 40°C cSt @ 100°C	31 5	43 7	64 9	92 11
D-2161	Saybolt Viscosity SUS @ 100°F SUS @ 210°F	155 44	215 48	315 54	485 62
D-2270	Viscosity Index	99	102	103	96
D-97	Pour Point, °F (°C)	-15 (-26)	-10 (-23)	-10 (-23)	-10 (-23)
Gardner Method	Density, lb/gal @ 60°F (15.5°C) Specific Gravity, g/cc @ 60°F (15.5°C)	7.19 0.861	7.21 0.863	7.26 0.869	7.30 0.874
D-92	Flash Point, °F (°C) Cleveland Open Cup	400 (204)	410 (210)	425 (218)	440 (227)
D-4172	Four Ball Wear, Scar Width, mm @ 40 kgf	0.35	0.35	0.35	0.35
D-665	Rust Test, Distilled Water	Pass	Pass	Pass	Pass
D-2882	Vickers Vane Pump Wear Test @ 1,000 psi = (mg total loss) @ 2,000 psi = (mg total loss)	N/A N/A	1.6 <5	1.6 <5	1.6 <5
	Color	Water White	Water White	Water White	Water White
	Service Rating	-15°F (-26°C) to 350°F (177°C)	-10°F (-23°C) to 350°F (177°C)	-10°F (-23°C) to 375°F (191°C)	-10°F (-23°C) to 400°F (204°C)

For package types and part numbers

[www.jetlube.com/resources/product-index/](http://www.jetlube.com/resources/product-index/)

Limited Warranty

[www.jetlube.com/assets/documents/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/assets/documents/Jet-Lube_Warranty.pdf)

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Made in an ISO 9001:2015 and ISO 14001:2015 Facility.