



## GEAR OIL FG

### FOOD GRADE GEAR OIL

## DESCRIPTION

Jet-Lube® Gear Oil FG is blended using a new generation 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 convention base oils by 60-100%. These performance improvements translate into reduced carbon and varnish deposits. The result is longer oil and component life.

Jet-Lube® Gear Oil FG also contains effective antiwear additives to protect metal surfaces and reduce downtime due to component failure.

Jet-Lube® Gear Oil FG is NSF Registered for H-1 and can be used in food plants where incidental contact with edible products may occur.

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

## APPLICATIONS

In addition to parallel-shaft gearboxes, Jet-Lube® Gear Oil FG ISO 80W-90 is appropriate for moderately loaded worm gear drives, oiled bearings, and couplings.

For ISO 220 use SAE grade 80W-90. For ISO 320 or 460 choose 85W-140.

Registered with NSF, Kosher and Halal.

## BENEFITS

- H-1 RATED - for use in food processing facilities where incidental contact may occur.
- EXCELLENT DEMULSIBILITY - separates readily from water.
- REDUCES WEAR - protects against scoring, scuffing and galling to increase gear and bearing life.
- EXTENDED OIL LIFE - free of impurities including traces of sulfur, nitrogen, and inferior aromatic oils.
- IMPROVED ADHESIVENESS - insures a coating on the gears at start-up.

ASTM #		TYPICAL CHARACTERISTICS			
	Grade	80W-90	85W-140	680	1,000
	NSF Registration	H-1	H-1	H-1	H-1
D-445	Kinematic Viscosity cSt @ 40°C cSt @ 100°C	186.0 17.00	374.0 31.34	661.0 40.00	951.0 52.00
D-2270	Viscosity Index	95	119	101	102
D-97	Pour Point, °F (°C)	0 (-18)	5 (-15)	10 (-12)	15 (-9)
Gardner Method	Density, lb/gal @ 60°F (15.5°C) Specific Gravity, g/cc @ 60°F (15.5°C)	7.23 0.868	7.24 0.869	7.29 0.875	7.31 0.878
D-92	Flash Point, °F (°C) Cleveland Open Cup	401 (205)	401 (205)	401 (205)	401 (205)
D-4172	Four Ball Wear, Scar Width, mm @ 40 kgf	0.40	0.40	0.30	0.30
	Color	Water White	Water White	Water White to Faint Yellow	Water White to Faint Yellow
	Service Rating	0°F (-18°C) to 350°F (205°C)	5°F (-15°C) to 350°F (205°C)	10°F (-12°C) to 350°F (205°C)	15°F (-9°C) to 350°F (205°C)

For package types and part numbers

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

Limited Warranty

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