

VICKERLUBE FGS GEAR OIL SERIES



PART NUMBER

15672 (ISO 100)	15311 (ISO 150)	15428 (ISO 220)
15544 (ISO 320)	15626 (ISO 460)	15788 (ISO 680)

DESCRIPTION

VICKERLUBE FGS GEAR OILS are high-performance PAO synthetic oils. They are formulated with the latest additive technology giving outstanding extreme pressure properties and load carrying, along with an outstanding wide operating temperature range. They are registered to H1 for incidental food contact for use in gearboxes and applications in and around food, beverage and pharmaceutical processing and production areas. VICKERLUBE FGS GEAR OIL 460 is suited to low-speed, high-load applications such as worm and wheel gearboxes.

APPLICATIONS

VICKERLUBE FGS GEAR OILS are designed for gearboxes and gear systems in the food and clean industries, operating at wide temperature ranges and under high load. The lubricants have high resistance to wear and temperature extremes. The additive package gives enhanced corrosion protection properties and supports manufacturers requirements for HACCP and GMP programmes.

Applications include: -

- All Gearbox types
- High and Low temperature applications (Freezers and Ovens)
- Gears for conveyors
- Agitators, mixers, and fillers
- Extruders
- High loaded oil lubricated bearings

CERTIFICATION

VICKERLUBE FGS GEAR OILS are NSF H1 Registered for incidental food contact, Halal Certified, Kosher Certified, manufactured to ISO 9001:2015 and ISO 21469 and meet the requirements of FDA 21 CFR 178.3570.

NSF Registration (ISO 100) - 163600
NSF Registration (ISO 220) - 161348
NSF Registration (ISO 460) - 161768

NSF Registration (ISO 150) - 161653
NSF Registration (ISO 320) - 161767
NSF Registration (ISO 680) - 163536

FEATURES AND BENEFITS

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| <ul style="list-style-type: none">• H1 Registered• Excellent water resistance• Wide operating temperature• Excellent shear stability• Good air release properties• Excellent wear protection• Oxidation and corrosion inhibited | <ul style="list-style-type: none">• Safe to use where incidental food contact may occur• Extends bearing, gears and gearbox life• Extends life at temperature extremes• Elongates lubricant life• Enhanced lubricity and elongates component life• Elongates gears and bearing life• Increases oil life & protects gearbox against corrosion |
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FM 01851 EMS 40717

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METHOD OF APPLICATION

VICKERLUBE FGS GEAR OILS can be poured directly from the container, or if using a drum, please ensure clean equipment is used to transfer product to the gearbox.

TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE FGS GEAR OIL	TEST METHOD	100	150	220
Appearance	Visual		Clear	
Viscosity at 40°C (cSt)	ASTM D7042	100	150	220
Viscosity at 100°C (cSt)	ASTM D7042	16	22	30
Viscosity Index	ASTM D2270	161	170	175
Density at 15°C (g/cm ³)	ASTM D1298	0.84	0.85	0.85
Pour Point (°C)	ASTM D97	-45	-35	-34
Flash Point (°C)	ASTM D92	212	247	254
Copper Strip Corrosion 3h @ 100°C	ASTM D130	1a	1a	1a
Demulsibility (minutes)	ASTM D1401	10	15	15
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.35	0.43	0.35
Temperature Range (°C)	-	-35 to 160	-25 to 160	-25 to 160
Shelf Life	-	5 years in original sealed containers whilst stored out of direct sunlight		

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VICKERLUBE FGS GEAR OIL	TEST METHOD	320	460	680
Appearance	Visual		Clear	
Viscosity at 40°C (cSt)	ASTM D7042	320	460	652
Viscosity at 100°C (cSt)	ASTM D7042	40	55	73
Viscosity Index	ASTM D2270	179	186	192
Density at 15°C (g/cm ³)	ASTM D1298	0.85	0.85	0.85
Pour Point (°C)	ASTM D97	-20	-24	-42
Flash Point (°C)	ASTM D92	268	272	279
Copper Strip Corrosion 3h @ 100°C	ASTM D130	1a	1a	1a
Demulsibility (minutes)	ASTM D1401	20	25	28
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.34	0.31	0.33
Temperature Range (°C)	-	-5 to 160	-10 to 160	-5 to 160
Shelf Life	-	5 years in original sealed containers whilst stored out of direct sunlight		



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