Trusted for Generations

H.S.T.N: 34039900
REF: MKT.PDS.92
REV: 9

VICKERLUBE FGS GEAR OIL SERIES



DESCRIPTION

VICKERLUBE FGS GEAR OILS are high-performance 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.

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

METHOD OF APPLICATION

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

FEATURES AND BENEFITS

• H1 Registered	Safe to use where incidental food contact may occur
• Excellent water resistance	Extends bearing, gears and gearbox life
• Wide operating temperature	Extends life at temperature extremes
• Excellent shear stability	Elongates lubricant life
• Good air release properties	Enhanced lubricity and elongates component life
• Excellent wear protection	Elongates gears and bearing life
• Oxidation and corrosion inhibited	Increases oil life & protects gearbox against corrosion
• ISO 21469 Certified	Verifies compliance with product formulation, manufacturing and packaging requirements

BENJN R. VICKERS & SONS LTD.

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Registered in England
Company No. 00130013

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Certified to the ISO 9001 Quality Standard and the ISO 14001 Environmental Management Standard

bsi ISO 9001 Quality Management Systems CERTIFIED ISO 14001 Environmental Management CERTIFIED
FM 01851 EMS 40717

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CERTIFICATION

VICKERLUBE FGS GEAR OILS are NSF H1 Registered for incidental food contact, ISO 21469 certified, Halal certified, Kosher certified, manufactured to ISO 9001:2015 and meet the requirements of FDA 21 CFR 178.3570. VICKERLUBE FGS GEAR OIL 220 to 460 exceed the requirements of DIN 51517-3 CLP.

TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE FGS GEAR OIL	TEST METHOD	150	220	320	460	680
Appearance	Visual			--- Clear ---		
Viscosity at 40°C (cSt)	ASTM D7042	150	220	320	460	680
Viscosity at 100°C (cSt)	ASTM D7042	21	26	36	48	62
Viscosity Index	ASTM D2270	156	158	160	160	160
Density at 15°C (g/cm^3)	ASTM D4052	0.85	0.85	0.85	0.85	0.85
Pour Point (°C)	ASTM D97	-45	-42	-42	-39	-33
Flash Point (°C)	ASTM D92	>220	>220	>220	>220	>220
Copper Strip Corrosion 3h @ 100°C	ASTM D130	1B Max	1B Max	1B Max	1B Max	1B Max
Demulsibility	ASTM D1401	Pass	Pass	Pass	Pass	Pass
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.33	0.33	0.33	0.33	0.33
FZG Load Carrying, A/8, 3/90 (FLS)	DIN 51354-2	>12	>12	>12	>12	>12
Temperature Range (°C)	-	-35 to 160	-35 to 160	-35 to 160	-35 to 160	-20 to 160
Shelf Life	-	5 years from the date of manufacture, in original sealed containers whilst stored out of direct sunlight				

Vickers Oils, its officers, employees and agents assume no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with Vickers Oils for the provision of this information or advice and in that case responsibility or liability is exclusively on the terms and conditions set out in that contract. Products should only be used for the applications specified. The supplier cannot accept responsibility if they are used in any other applications.

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