

VICKERLUBE FG FLUID SERIES









DESCRIPTION

VICKERLUBE FG FLUIDS are a high-performance blend of food grade white oils fortified with the latest additive technology giving outstanding wear resistance and EP properties required for modern hydraulic and circulating systems. They are registered to H1 for incidental food contact for use in applications in and around food, beverage and pharmaceutical processing and production areas.

CERTIFICATION

VICKERLUBE FG FLUID 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 FG FLUID meet or exceed the requirements of ISO-L-HV (according to ISO 6743-4) and HLP (to DIN 51524-2).

 NSF	 HALAL	 KOSHER	 PART NUMBER
H1 Registered ISO 21469			20473 (ISO 15) 20592 (ISO 22) 20738 (ISO 32) 20846 (ISO 46) 20934 (ISO 68) 20346 (ISO 100)

APPLICATIONS

VICKERLUBE FG FLUID are designed for hydraulic and circulating systems in the food and clean industries operating at wide temperature ranges. The lubricants have high resistance to wear and load normally experienced in hydraulic systems. The additive package gives enhanced corrosion protection properties and supports manufacturers requirements for HACCP and GMP programmes.

Applications include: -

- All hydraulic systems
- Low loaded oil lubricated bearings
- Valve Lubrication
- General purpose oil lubrication
- Variable speed drives requiring low viscosity oils
- Process machinery (Bottling and Canning)
- Pneumatic tools and air line systems (ISO 22 and 32)

BENJ^N R. VICKERS & SONS LTD.

Registered Office
6 Clarence Road, Leeds,
LS10 1ND, United Kingdom

Registered in England
Company No. 00130013

Tel: +44 (0) 113 386 7654
Web: www.vickers-oil.com
Email: inbox@vickers-oil.com

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ISO 14001 Environmental
Management Standard



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FEATURES AND BENEFITS

- H1 Registered
- Excellent water resistance
- Good air release properties
- Excellent wear protection
- Oxidation and corrosion inhibited
- ISO 21469 Certified

Safe to use where incidental food contact may occur
Extends bearing, gears and gearbox life
Enhanced lubricity and elongates component life
Elongates gears and bearing life
Increases oil life & protects the gearbox against corrosion
Verifies compliance with product formulation, manufacturing and packaging requirements

METHOD OF APPLICATION

VICKERLUBE FG FLUID can be poured directly from the container, or if using a drum, please ensure clean equipment is used to transfer the product to the system.

TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE FG FLUID	TEST METHOD	15	22	32
Appearance	Visual	--- Clear ---		
Viscosity at 40°C (cSt)	ASTM D7042	15	22	32
Viscosity at 100°C (cSt)	ASTM D7042	4	4	6
Viscosity Index	ASTM D2270	118	118	119
Density at 15°C (g/cm ³)	ASTM D4052	0.84	0.85	0.85
Pour Point (°C)	ASTM D7346	-48	-48	-42
Flash Point (°C)	ASTM D92	>160	>165	>190
Copper Strip Corrosion	ASTM D130	1	1	1
Demulsibility	ASTM D1401	Pass	Pass	Pass
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.41	0.41	0.42
FZG Scuffing (FLS)	ISO 14635-1	-	-	11
Temperature Range (°C)	-	-30 to +140	-25 to +140	-25 to +140
Shelf Life	-	5 years in original sealed containers whilst stored out of direct sunlight		

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TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE FG FLUID	TEST METHOD	46	68	100
Appearance	ASTM D7042	--- Clear ---		
Viscosity at 40°C (cSt)	ASTM D7042	46	68	100
Viscosity at 100°C (cSt)	ASTM D2270	7	9	11
Viscosity Index	ASTM D4052	113	108	100
Density (g/cm ³)	ASTM D7346	0.86	0.87	0.87
Pour Point (°C)	ASTM D92	-33	-30	-27
Flash Point (°C)	ASTM D130	>205	>215	>225
Copper Strip Corrosion	ASTM D1401	1	1	1
Demulsibility	ASTM D4172	Pass	Pass	Pass
4 Ball Wear Scar Diameter (mm)	ISO 14635-1	0.32	0.35	0.38
FZG Scuffing (FLS)	ASTM D7042	11	11	11
Temperature Range (°C)	-	-5 to +140	-5 to +140	-5 to +140
Shelf Life	-	5 years in original sealed containers whilst stored out of direct sunlight		

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