Trusted for Generations

H.S.T.N: 34039900 00
REF: MKT.PDS.89
REV: 10

VICKERLUBE FGS FLUID SERIES

Food Grade
NSF
ISO 21469 Certified

DESCRIPTION

VICKERLUBE FGS FLUIDS are high-performance synthetic oils with outstanding oxidation stability, extreme pressure properties and load carrying along with an extreme operating temperature resistance. The additive package gives enhanced corrosion protection properties and supports manufacturers requirements for HACCP and GMP programmes.

APPLICATIONS

VICKERLUBE FGS FLUIDS are designed for the following applications: -

- Circulating systems
- Compressors
- Gear Boxes
- Vacuum Pumps
- Extreme temperature hydraulic systems
- Bearings
- Extreme low temperature gearboxes
- Valve Lubrication
- General purpose oil lubrication
- Process machinery (Bottling and Canning)
- Corrugator Equipment - Disc-cut blade on slitter scorer and cleaning of rolls

METHOD OF APPLICATION

VICKERLUBE FGS FLUIDS 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.

FEATURES AND BENEFITS

• H1 Registered	Safe to use where incidental food contact may occur
• ISO 21469 Certified	Verifies compliance with product formulation, manufacturing and packaging requirements
• Extreme temperature resistance	Extends lubrication intervals
• Excellent water separation properties	Prolonged component life
• Good air release properties	Enhances lubricity and extended component life
• Excellent wear protection	Extends gears and bearing life
• Oxidation and corrosion resistance	Increases oil life & protects system against corrosion

BENJN R. VICKERS & SONS LTD.

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

Registered in England
Company No. 00130013

Food Grade
Manufacturing Facility
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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 FLUIDS are NSF H1 Registered for incidental food contact, Halal Certified, Kosher Certified, manufactured to ISO 9001:2015 and ISO 21469 and meets the requirements of FDA 21 CFR 178.3570. VICKERLUBE FGS FLUIDS meet or exceed the requirements of ISO-L-HS (according to ISO 6743-4) and HVLP (to DIN 51524-3). VICKERLUBE FGS FLUID 32 TO 100 exceed the requirements of DIN 51506 VD-L.

TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE FGS FLUID	TEST METHOD	15	22	32
Appearance	Visual	--- Clear & Bright ---		
Viscosity at 40°C (cSt)	ASTM D7042	15	22	32
Viscosity at 100°C (cSt)	ASTM D7042	4	5	6
Viscosity Index	ASTM D2270	129	133	139
Density at 15°C (g/cm^3)	ASTM D4052	0.82	0.82	0.83
Pour Point (°C)	ASTM D7346	-78	-72	-69
Flash Point (°C)	ASTM D92	>175	>200	>230
Copper Strip Corrosion 3h @ 100°C	ASTM D130	1b	1b	1b
Demulsibility (minutes)	ASTM D1401	<10	<10	<10
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.45	0.45	0.45
FZG Scuffing	ISO 14635-1	-	-	12
Temperature Range (°C)	-	-50 to +160		
Shelf Life	-	5 years in original sealed containers whilst stored out of direct sunlight from the date of manufacture.		

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TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE FGS FLUID	TEST METHOD	46	68	100
Appearance	Visual	--- Clear & Bright ---		
Viscosity at 40°C (cSt)	ASTM D7042	46	68	100
Viscosity at 100°C (cSt)	ASTM D7042	8	11	15
Viscosity Index	ASTM D2270	147	154	154
Density at 15°C (g/cm^3)	ASTM D4052	0.83	0.83	0.85
Pour Point (°C)	ASTM D7346	-66	-60	-45
Flash Point (°C)	ASTM D92	>230	>230	>220
Copper Strip Corrosion 3h @ 100°C	ASTM D130	1b	1b	1b
Demulsibility (minutes)	ASTM D1401	<10	<10	Pass
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.33	0.33	0.33
FZG Scuffing	ISO 14635-1	12	12	12
Temperature Range (°C)	-	-50 to +160	-50 to +160	-35 to +160
Shelf Life	-	5 years in original sealed containers whilst stored out of direct sunlight from the date of manufacture.		

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. These products should only be used for the applications specified. The supplier cannot accept responsibility if it is used in any other applications.

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