

H.S.T.N: 27101983 REF: MKT.PDS.88

REV:

# VICKERLUBE FG **FLUID SERIES**



## **PART NUMBER**

20473 (ISO 15) 20592 (ISO 22) 20846 (ISO 46) 20738 (ISO 32) 20934 (ISO 68) 20346 (ISO 100)

#### **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.

#### **APPLICATIONS**

VICKERLUBE FG FLUIDS 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)

## **CERTIFICATION**

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

NSF Registration (ISO 15) - 162114 NSF Registration (ISO 22) - 162115 NSF Registration (ISO 32) - 162116 NSF Registration (ISO 46) - 162117 NSF Registration (ISO 68) - 162118 NSF Registration (ISO 100) - 162119

BENJ<sup>N</sup> R. VICKERS & SONS LTD.

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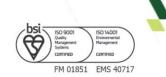
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## **FEATURES AND BENEFITS**

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

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 gearbox against corrosion

### **METHOD OF APPLICATION**

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

## TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE FG FLUID	TEST METHOD	15	22	32	
Appearance	Visual	Clear Yellow Fluid			
Viscosity at 40°C (cSt)	ASTM D445	15	22	32	
Viscosity at 100°C (cSt)	ASTM D445	4	4	5	
Viscosity Index	ASTM D2270	116	108	106	
Density at 15°C (g/cm³)	ASTM D1298	0.84	0.86	0.87	
Pour Point (°C)	ASTM D97	-44	-43	-42	
Flash Point (°C)	ASTM D92	198	198	222	
Copper Strip Corrosion 3h @ 100°C	ASTM D130	1a	1a	1a	
Demulsibility (minutes)	ASTM D1401	<10	<10	<30	
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.41	0.4	0.33	
FZG Scuffing A/8.3/90 (FLS)	DIN 51534-2	ND	ND	12	
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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Shelf Life

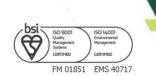
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Certified to the ISO 9001 Quality Standard and the ISO 14001 Environmental Management Standard





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### TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE FG FLUID	TEST METHOD	46	68	100	
Appearance	Visual	Clear Yellow Fluid			
Viscosity at 40°C (cSt)	ASTM D445	46	68	100	
Viscosity at 100°C (cSt)	ASTM D445	7	9	11	
Viscosity Index	ASTM D2270	106	107	105	
Density at 15°C (g/cm³)	ASTM D1298	0.87	0.87	0.88	
Pour Point (°C)	ASTM D97	-20	-20	-15	
Flash Point (°C)	ASTM D92	232	250	260	
Copper Strip Corrosion 3h @ 100°C	ASTM D130	1a	1a	1a	
Demulsibility (minutes)	ASTM D1401	<30	<30	10	
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.34	0.33	0.34	
FZG Scuffing A/8.3/90 (FLS)	DIN 51534-2	12	12	12	
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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