

# VICKERLUBE FGS FLUID SERIES



## PART NUMBER

20754 (ISO 15)	20155 (ISO 32)	20264 (ISO 46)
20358 (ISO 68)	20194 (ISO 100)	

## DESCRIPTION

VICKERLUBE FGS FLUIDS are high-performance PAO synthetic oils fortified with the latest additive technology giving outstanding oxidation stability, extreme pressure properties and load carrying along with an extreme operating temperature resistance for modern hydraulic and circulating systems. They are registered to H1 for incidental food contact for use in hydraulic and circulating systems in and around food, beverage and pharmaceutical processing and production areas.

## APPLICATIONS

VICKERLUBE FGS FLUIDS are designed for hydraulic and circulating systems in the food and clean industries operating at extreme temperature ranges and high loads. 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
- Extreme temperature hydraulic systems
- Low loaded oil lubricated bearings
- Extreme low temperature gearboxes (Spiral Freezers)
- Valve Lubrication
- General purpose oil lubrication
- Variable speed drives requiring low viscosity oils
- Process machinery (Bottling and Canning)

## 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)

NSF Registration (ISO 15) – 162911

NSF Registration (ISO 32) – 161349

NSF Registration (ISO 46) – 161769

NSF Registration (ISO 68) – 161350

NSF Registration (ISO 100) - 161770

## FEATURES AND BENEFITS

- |                                     |  |
|-------------------------------------|--|
| • H1 Registered                     | Safe to use where incidental food contact may occur    |
| • Extreme temperature resistance    | Extended lubrication intervals                         |
| • Excellent water resistance        | Extends component life                                 |
| • Good air release properties       | Enhanced lubricity and elongates component life        |
| • Excellent wear protection         | Elongates spool valve and component life               |
| • Oxidation and corrosion inhibited | Increases oil life & protects system against corrosion |

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



FM 01851 EMS 40717

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## 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 product to the system.

## TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE FGS FLUID	TEST METHOD	15	32	46	68	100
Appearance	Visual	Clear Yellow Fluid				
Viscosity at 40°C (cSt)	ASTM D7042	15	32	46	68	100
Viscosity at 100°C (cSt)	ASTM D7042	4	6	8	11	16
Viscosity Index	ASTM D2270	110	140	152	152	161
Density at 15°C (g/cm <sup>3</sup> )	ASTM D1298	0.83	0.84	0.84	0.84	0.84
Pour Point (°C)	ASTM D97	-48	-48	-48	-45	-45
Flash Point (°C)	ASTM D92	216	242	258	257	212
Copper Strip Corrosion 3h @ 100°C	ASTM D130	1a	1a	1a	1a	1a
Demulsibility (minutes)	ASTM D1401	10	<10	<15	<15	<10
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.39	0.38	0.34	0.35	0.35
FZG Scuffing A/8.3/90 (FLS)	DIN 51534-2	-	11	11	11	11
Temperature Range (°C)	-	-35 to +160				
Shelf Life	-	5 years in original sealed containers whilst stored out of direct sunlight				



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