

VICKERLUBE FG FLUID SERIES



PART NUMBER

| | |
|----------------|-----------------|
| 20473 (ISO 15) | 20592 (ISO 22) |
| 20738 (ISO 32) | 20846 (ISO 46) |
| 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

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ISO 14001 Environmental
Management Standard



FM 01851 EMS 40717

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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/cm ³) | 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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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/cm ³) | 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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