

H.S.T.N: 27101983 REF: MKT.PDS.88 REV: 9

# 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<br>ISO 21469 | √     | $\checkmark$ | 20473 (ISO 15)<br>20592 (ISO 22)<br>20738 (ISO 32)<br>20846 (ISO 46)<br>20934 (ISO 68)<br>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)

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





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# **VICKERLUBE FG FLUID SERIES**



### FEATURES AND BENEFITS

- H1 Registered ٠
- 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 <sup>3</sup> ) | 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<br>whilst stored out of direct suplight |             |             |

whilst stored out of direct sunlight

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

# **Registered Office**

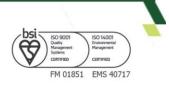
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## **TYPICAL CHARACTERISTICS AND PROPERTIES**

| 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 <sup>3</sup> )   | 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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