



MAKER FG HYDRAULIC

Description

MAKER FG HYDRAULIC is a hydraulic product formulated using highly-refined compounds that meet the highest food industry standards and the requirements for lubricants with incidental food contact established by the FDA in section 178.3570 of the Code of Federal Regulations. The lubricant is formulated using white mineral oils improved with anti-oxidant, rust-protection, and anti-wear additives that are approved by the U.S. Food and Drug Administration. They are particularly suitable for use as hydraulic fluid and in oil hydraulic control valves in systems that could contaminate food products in the event of leaks. They can also be used as a lubricating fluid.

Properties

- Good filterability and fully compatible with gaskets
- High resistance to ageing and sludge formation.
- Great anti-rust and anti-wear properties.
- Great demulsability.
- Excellent anti-foaming properties.
- Registered as an H1 lubricant with the NSF.
- MOAHs free (Mineral Oil Aromatic Hydrocarbon).

Quality levels, approvals and recommendations

- AFNOR: NFE 48603-HM
- DIN: 51524-HLP
- ISO: 6743/4 HM

Technical specifications

| | UNIT | METHOD | VALUE | | | |
|------------------------------|-------|------------|--------|--------|--------|--------|
| ISO Viscosity Grade | | | 32 | 46 | 68 | 100 |
| NSF registration number H1 | | | 154735 | 154481 | 154482 | 154736 |
| Kinematic viscosity at 40 °C | cSt | ASTM D445 | 32.2 | 46.1 | 68.1 | 106.2 |
| Viscosity index | - | ASTM D2270 | 105 | 105 | 105 | 100 |
| Flash point, open cup | °C | ASTM D92 | 170 | 180 | 200 | 215 |
| Pour point | °C | ASTM D97 | -21 | -21 | -18 | -18 |
| Copper corrosion | | ASTM D130 | 1 a | 1 a | 1 a | 1 a |
| Density at 20 °C | g/cm3 | ASTM D4052 | 0.848 | 0.853 | 0.859 | 0.865 |
| Rust resistance, method A | | ASTM D665 | Pass | Pass | Pass | Pass |

The above mentioned characteristics are typical values and should not be considered product specifications.

