



HYDRAULIC OIL

HM 220

Product Description:

HYDRAULIC OIL HM 220 is an universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application.

HYDRAULIC OIL HM 220 is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

HYDRAULIC OIL HM 220 exceeds the following performance criteria.:

DIN 51524-2 HLP
AFNOR NF E 48-603 HM

ISO 11158 HM
Sauer Danfoss 520L0463

ASTM D6158 HM



| Property | Unit | Test Method | Typical Value |
|-------------------------|--------------------|-------------|---------------|
| ISO Grade | | ISO 3448 | 220 |
| Density@15°C | kg/m ³ | ASTM D4052 | 898 |
| Kin. Viscosity @40°C | mm ² /s | ASTM D7042 | 222.3 |
| Kin. Viscosity @100°C | mm ² /s | ASTM D7042 | 18.4 |
| Viscosity Index | | ASTM D2270 | 91 |
| Flash Point COC | °C | ASTM D92 | >215 |
| Pour Point | °C | ASTM D97 | -12 |
| Air Release Value @75°C | Minutes | ASTM D3427 | Pass |
| Demulsibility @82°C | Minutes | ASTM D1401 | Pass |

Product Nr: 45250
Date Superseded: -

Date Issued: 31-10-2022
Revision nr: -