



# MAKER HYDROFLUX EP

## Description

MAKER HYDROFLUX EP has been developed to exceed most of the quality Standards issued by hydraulic system manufacturers. Lubricant formulated using selected GII base oils and carefully additive technology to make a hydraulic oil with outstanding antiwear and pumpability performance. These oils are especially suitable for most hydraulic circuits, including those requiring special anti-wear protection working in the harshest conditions.

## Properties

- Resistance to oxidation, ageing and sludge formation.
- Low Pour Point to encourage the lubricity in cold areas.
- High viscosity index to perform in a wider temperature range.
- Technology compatible with most of the rubbers in joints.
- Good anti-foam properties and demulsibility.
- Improved and reinforced anti-wear properties.
- Easy Water Split from lubricant if there is a pollution.

## Quality levels, approvals and recommendations

- AFNOR: NF E 48-603 HL
- AFNOR: NFE 48603-HM
- DIN: 51524-HLP
- ISO: 11158
- ISO: 6743/4 HM

## Technical specifications

|  | UNIT    | METHOD     | VALUE  |        |        |
|--|---------|------------|--------|--------|--------|
| ISO Viscosity Grade                              |         |            | 32     | 46     | 68     |
| Viscosity at 100 °C                              | cSt     | ASTM D445  | 5.4    | 6.9    | 8.7    |
| Viscosity at 40 °C                               | cSt     | ASTM D445  | 32     | 46     | 68     |
| Viscosity index                                  | -       | ASTM D2270 | 105    | 105    | 101    |
| Density at 15 °C                                 | g/cm3   | ASTM D4052 | 0.871  | 0.854  | 0.871  |
| Flash point                                      | °C      | ASTM D92   | 205    | 226    | 246    |
| Pour point                                       | °C      | ASTM D97   | -24    | -30    | -24    |
| FZG, damage stage                                | -       | DIN 51354  | 11     | 11     | 11     |
| Four ball wear, scar diameter (1h, 40 kg, 75 °C) | mm      | ASTM D4172 | 0.48   | 0.48   | 0.44   |
| Res. to oxidation, NN after 1 500 hrs            | mgKOH/g | ASTM D943  | <2     | <2     | <2     |
| Water separability ((1) 54°C/(2) 82°C)           | min     | ASTM D1401 | <20(1) | <20(1) | <30(1) |
| Corrosion Cu, 3hrs 100 °C                        | -       | ASTM D130  | 1b     | 1b     | 1b     |

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