



PRODUCT SPECIFICATION

SPECIFICATION

Product Name

HIDROMOL 46 / HYDRAULIC SYSTEM OIL - HIDROMOL 46

| PRIMARY TESTS | METHOD | SPECIFICATION | | |
|---|-------------------------------|---------------|------------------------|------|
| | | MIN | TYP | MAX |
| Appearance | Visual | | Clear and Bright | |
| Colour | ASTM D1500 / TS 1713 ISO 2049 | 0,5 | 1 | 3 |
| Density 15°C, g/ml | ASTM D4052 / TS EN ISO 12185 | 0,87 | 0,88 | 0,89 |
| Viscosity 40 °C, mm ² /s | ASTM D445 / TS EN ISO 3104 | 41,4 | 46 | 50,6 |
| Water Separation 54°C, minute | ASTM D1401 / TS 6122 ISO 6614 | | | 30 |
| Foaming Characteristic (I,II,III Kd.) ml/m | ASTM D892 / TS 1834 ISO 6247 | | (150/0, 80/0, 150/0) | |

| SECONDARY TESTS | METHOD | SPECIFICATION | | |
|--------------------------------------|---------------------------------|---------------|---------|-------|
| | | MIN | TYP | MAX |
| Pour Point, °C | ASTM D97 / TS EN ISO 3016 | | | -21 |
| Flash Point, °C (COC) | ASTM D92 / TS EN ISO 2592 | 212 | | |
| Viscosity 100 °C, mm ² /s | ASTM D445 / TS EN ISO 3104 | 6,1 | 6,9 | |
| Viscosity Index | ASTM D2270 / TS ISO 2909 | | 101 typ | |
| Rust Test | | | | |
| - Process A | ASTM D665 / TS 6830 ISO 7120 | | Pass | |
| - Process B | ASTM D665 / TS 6830 ISO 7120 | | Pass | |
| Copper Corrosion (100°C, 3 hours) | ASTM D130 / TS 2741 EN ISO 2160 | | | 2 |
| Water Content %m/m | ASTM D95 / TS 6147 EN ISO 12937 | | | 0,025 |
| Acid Number, mgKOH/g | ASTM D974 / TS 9178 ISO 6618 | | | 1 |
| Determination of air, 50°C, min. | TS 5768 ISO 9120 | | | 10 |

PERFORMANCE LEVELS : DIN 51524 PART II, DENISON HF0, HF1, HF2 Cincinnati Machine P 68, P 69, P 70
Eaton Vickers M 2950-S / I-286-S

* As the defined values are typical values, there can be some little changes according to the production. M Oil keeps all the rights to update and change the formulations of products without making any announcements. For the updated informations and technical datas about the products and product packagings, please contact with M Oil.