

## HYDRA POWER PLUS 46

### Hydraulic Oil

**HYDRA POWER PLUS 46** is a premium quality anti-wear hydraulic oil specially developed for applications like hydraulic and power transmission subjected to wide range of temperature or where small viscosity change with fluctuating temperature is required.

**HYDRA POWER PLUS 46** is formulated with high quality virgin mineral base stocks in combination with a special additive technology to achieve the following performance:

- Exceptional anti-wear property results in longer component life reducing costs.
- Extremely High Viscosity Index assures equipment protection at cold start-up temperatures and at high operating temperatures.
- Excellent shear stability minimizes viscosity loss over time and exhibits "stay-in-grade" performance under high shear conditions.
- Excellent thermo-oxidative.
- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions.
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture.
- Rapid air release property due to non-silicone anti-foam technology to minimizes chances of pump cavitations leading to trouble free operations.
- Compatible with multi-metals & most sealing materials commonly used in hydraulic systems.



**HYDRA POWER PLUS 46** meets the following performance criteria:

|                             |                                       |                               |                                   |
|-----------------------------|---------------------------------------|-------------------------------|-----------------------------------|
| DIN 51524/3 HVLP<br>I-286-S | AFNOR NFE 48-603<br>US Steel 127, 136 | ISO 6743/4 HV<br>Denison HF-0 | Vickers M-2950<br>Cincinnati P-68 |
|-----------------------------|---------------------------------------|-------------------------------|-----------------------------------|

### Typical Analysis

| Properties               | Unit               | Method                 | Typical Value    |
|--------------------------|--------------------|------------------------|------------------|
| ISO VG Grade             |                    | ISO 3448               | 46               |
| Density @15°C            | kg/m <sup>3</sup>  | ASTM D4052             | 874              |
| Kin. Viscosity @40°C     | mm <sup>2</sup> /s | ASTM D7042             | 46               |
| Kin. Viscosity @100°C    | mm <sup>2</sup> /s | ASTM D7042             | 8.5              |
| Viscosity Index          |                    | ASTM D2270             | 163              |
| Flash Point COC, min     | °C                 | ASTM D92               | >201             |
| Pour Point               | °C                 | ASTM D7346             | -42              |
| FZG Fail Load Stage, min |                    | DIN 51354-2            | 11               |
| Demulsibility @54°C      | Minutes            | DIN 51599              | Pass             |
| Date Issued: 25-04-2019  |                    | Supersedes: 03-09-2015 | Revision Nr.: 02 |

