



Ultramax Range

Mineral oil based anti-wear hydraulic oils

Product code: Refer to table

Product Description:

The Ultramax range of hydraulic fluids is manufactured from highly refined base stocks which possess good oxidation resistance and thermal stability. They are fortified with carefully selected additives to further improve performance characteristics including anti-corrosion to protect the system should water be present, anti-wear to reduce wear in pumps used in hydraulic systems, anti-oxidants and antifoam.

Benefits:

- Incorporates inhibitors for protection against all forms of corrosion
- Good anti-foaming and air release properties
- Good demulsification characteristics
- Excellent anti-wear performance
- High oxidation resistance and thermal stability
- Suitable for the majority of hose materials

Applications:

The Ultramax range of hydraulic oils is suitable for a wide variety of applications. These include industrial hydraulic systems, agricultural and plant equipment, mobile units such as jacks, lightly loaded gears and many others.

Product Specification:

| | |
|----------------|-------------------------------------|
| DIN | 51524 Part 2, category HLP |
| ISO | 6743/4, category HM |
| Denison | HF-2 TP-02100 Filterability Test |
| Sperry Vickers | M-2950-S I-286-S |
| Afnor | NF E 48-600 |
| Thyssen | TH N-256132 |
| US Steel | 127 |
| SEB | 181.222 |
| VDMA | 24318 |



TECHNICAL DATA SHEET

Typical Test Data:

| Ultramax | 3 | 5 | 10 | 15 | 22 | 32 | 37 |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Product Code | H001 | H002 | H003 | H004 | H005 | H006 | H007 |
| Specific Gravity @ 15.6°C | 0.822 | 0.827 | 0.850 | 0.860 | 0.865 | 0.873 | 0.875 |
| Kinematic Viscosity @ 40°C (cSt) | 3.0 | 5.0 | 10.0 | 15.0 | 22.0 | 32.0 | 37.0 |
| Kinematic Viscosity @ 100°C (cSt) | - | - | 2.62 | 3.38 | 4.29 | 5.36 | 5.87 |
| Viscosity Index | - | - | 91 | 95 | 100 | 100 | 100 |
| Flash Point (COC °C) | - | - | 162 | 183 | 195 | 215 | 217 |
| Pour Point (°C) | - | - | - | - | -33 | -33 | -33 |

| Ultramax | 46 | 68 | 100 | 150 | 220 | 320 | 460 |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Product Code | H008 | H009 | H010 | H011 | H012 | H013 | H014 |
| Specific Gravity @ 15.6°C | 0.878 | 0.880 | 0.889 | 0.890 | 0.893 | 0.895 | 0.901 |
| Kinematic Viscosity @ 40°C (cSt) | 46.0 | 68.0 | 100.0 | 150.0 | 220.0 | 320.0 | 460.0 |
| Kinematic Viscosity @ 100°C (cSt) | 6.75 | 8.75 | 11.4 | 15.0 | 19.4 | 24.7 | 31.3 |
| Viscosity Index | 100 | 100 | 100 | 100 | 100 | 99 | 98 |
| Flash Point (COC °C) | 220 | 224 | 228 | 231 | 233 | 235 | 245 |
| Pour Point (°C) | -32 | -31 | -27 | - | - | - | - |

Health and Safety:

Please refer to the relevant safety data sheet, a copy of which is freely available to all our customers.