

## UNILAND HYDRAULIC OIL AW

UNILAND HYDRAULIC OIL AW - anti-wear hydraulic oil formulated from a high quality hydrocracked base oil and modern additive package with low Zinc content. It has anti-foaming ability, provides protection from wear and rust and has excellent filterability.

### APPLICATION

UNILAND HYDRAULIC OIL AW is suitable for machinery, pumps and transmissions of heavy vehicles, construction, road and pit-run equipment, as well as for industrial and special equipment requiring hydraulic oil of certain viscosity index and characteristics, to ensure performance in moderate and low temperatures.

### THIS PRODUCT MEETS THE REQUIREMENTS OF

- DENISON HF-0, 1, 2
- DENISON T6H20C Hybrid Pump
- VICKERS M-2950-S
- VICKERS Vane Pump test (DIN 51589) PART 2 at 4.4 mg level
- VICKERS 35VQ25A
- CINCINNATI MACHINE P-68, P-69, P-70
- US STEEL 127, 136
- DIN 51524 PART 1 (HL), 2 (HLP)
- DIN 51589 PART 1 at 6 min. level
- AFNOR NF E 48-603 (HL)
- FZG A/8.3/90 Load test (DIN 51354) at 12th Stage level

### APPLICATION BENEFITS

UNILAND HYDRAULIC OIL AW provides:

- Protects hydraulic systems from wear
- Has anti-foaming properties
- Prevents corrosion
- Has excellent filterability
- Fully compatible with seal materials

The latest technologies of MITASU OIL CORPORATION, Japan enable hydraulic oils manufactured by the company to meet the requirements of a large number of hydraulic equipment manufacturers.

### TECHNICAL CHARACTERISTICS

| Technical property                 | Method      | Results |        |        |        |        |        |
|------------------------------------|-------------|---------|--------|--------|--------|--------|--------|
| Viscosity ISO VG                   | ISO 3448    | 15      | 22     | 32     | 46     | 68     | 100    |
| Density at 15°C                    | ASTM D-4052 | 0.8450  | 0.8660 | 0.8650 | 0.8700 | 0.8720 | 0.8780 |
| Flash point, °C                    | ASTM D-92   | 172     | 198    | 210    | 220    | 222    | 228    |
| Pour point, °C                     | ASTM D-97   | -39     | -36    | -33    | -30    | -30    | -21    |
| Colour                             | ASTM D-1500 | <0.5    | <0.5   | <0.5   | <0.5   | <0.5   | <0.5   |
| Viscosity index                    | ASTM D-2270 | 105     | 103    | 105    | 102    | 100    | 98     |
| Kinematic viscosity at 40°C (cSt)  | ASTM D-445  | 15.30   | 22.40  | 31.50  | 46.40  | 68.50  | 97.50  |
| Kinematic viscosity at 100°C (cSt) | ASTM D-445  | 3.42    | 4.38   | 5.40   | 6.85   | 8.78   | 11.30  |

Due to continual product research and development, the information contained here is subject to change without notification.

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