

AWARD AW Hydraulic Fluid

HIGH PERFORMANCE HYDRAULIC OIL

PRODUCT LINE

AWARD Lubricants Hydraulic Fluid AW series are a premium anti-wear hydraulic oil which provides maximum pump life and trouble-free service. The rust and oxidation preventive capabilities create outstanding performance, even in high output systems.

AWARD AW features excellent vane and piston pump performance, anti-foam characteristics and superior hydrolytic stability.

APPLICATIONS

AWARD Hydraulic Fluid AW series is recommended for use in all hydraulic systems where anti-wear type mineral oils are specified. They provide an outstanding combination of characteristics that protect systems against wear, rust and corrosion, and will maintain excellent system oil life without excessive deterioration due to oxidation.

PERFORMANCE BENEFITS

AWARD Hydraulic Fluid AW resists deterioration and perform at superior levels, even at high operating temperatures, pressures and speeds with a low pour point ensures easy system startup in cold conditions.

AWARD Hydraulic Fluid AW also offers:

- Superior demulsibility properties, making this oil rugged, even in high output systems
- Oxidation and rust resistant
- Features excellent vane pump and piston performance
- Anti-foam characteristics with superior hydrolytic stability
- Superior pumpability at low start-up temperatures

Available In These Sizes



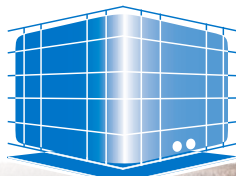
Jugs



Pails



Drums



Totes



TYPICAL PROPERTIES

| ISO GRADE | 32 | 46 | 68 | ASTM TEST METHOD |
|---------------------------|-----------|-----------|-----------|------------------|
| Viscosity @ 40°C, cSt | 31.20 | 46.07 | 68.10 | D445 |
| Viscosity @ 100°C, cSt | 5.25 | 7.00 | 8.80 | D445 |
| Viscosity Index | 98 | 109 | 101 | D2270 |
| Flash Point, COC, °C (°F) | 210 (410) | 216 (420) | 220 (428) | D92 |
| Pour Point, °C (°F) | -39 (-38) | -36 (-33) | -36 (-33) | D97 |
| Color | GREEN | GREEN | GREEN | Visual |
| Gravity, °API | 31.5 | 30.5 | 29.5 | D287 |
| Oxidation Stability | 4000+ | 4000+ | 4000+ | D943 |
| Copper Strip | 1b | 1b | 1b | D130 |
| Rust Test | Pass | Pass | Pass | D665 |
| Vane Pump, mgs wt loss | 12 | 12 | 12 | D2882 |
| Dielectric Strength, kv | 35 | 35 | 35 | N/A |

PERFORMANCE SUMMARY

| SPECIFICATIONS AND APPROVALS | AWARD AW |
|---------------------------------------------|----------|
| AFNOR E 48-603 | Yes |
| B.F. Goodrich - 0152 | Yes |
| Cincinnati Milacron - P-68, P-69, P-70 | Yes |
| Denison - HF-0, HF-1, HF-2 | Yes |
| DIN 51524, -2 | Yes |
| Ford - M-6C32 | Yes |
| General Motors - LH-04-1, LH-06-1, LH-15-1 | Yes |
| Jeffery - #87 | Yes |
| Lee Norse - 100-1 | Yes |
| Racine - Model S, variable volume vane pump | Yes |
| U.S. Steel - 136, 127 | Yes |
| Vickers - I-286-S, M-2950-S, 35VQ25 | Yes |

**Always consult with original equipment manufacturer's recommendations for specific performance and viscosity requirements.*

**Extending drain intervals should always be undertaken in conjunction with a regular oil analysis program.*

**Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notice.*

Health & Safety

This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

MSDS

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed.

MSDS can be found at:

<http://www.afdpetroleum.com/MSDS.aspx>

