

BIOHYDRAN AW



LUBRICATION



Biodegradable, high-viscosity index anti-wear hydraulic oil

APPLICATIONS

Environmentally Friendly Hydraulic fluids.

- **BIOHYDRAN AW** is a high performance, biodegradable, anti-wear hydraulic fluid series. It has been designed for hydraulic applications operating in environmentally sensitive areas. These fluids protect the environment from damage when accidental discharges occur.
- **BIOHYDRAN AW** hydraulic fluids provide excellent anti-wear protection for high pressure, high speed hydraulic pumps. They are formulated from specially selected vegetable base stocks and non-toxic additives. They exhibit 95% biodegradability after 21 days in the industry recognized CEC-L-33-A-94 biodegradability test. **BIOHYDRAN AW** fluids also satisfy the German Hygiene Institute's non-contamination class (WGK 0) for biodegradable lubricants.

SPECIFICATIONS

International and OEM specifications

- DENNISON HF-0
- CEC-L-33-A-94 BIODEGRADABILITY TEST
- GERMAN HYGIENE INSTITUTE - WGK 0
- VICKERS 35VQ25 and V104C

ADVANTAGES

Long equipment life and high operating reliability.

- Excellent anti-wear properties.
- Resistance to hydrolysis and oxidation.
- Inert towards metals (non-staining and no corrosive wear).
- Good compatibility with elastomers and seals.
- Excellent water/oil demulsification properties.
- Excellent anti-foaming, anti-corrosion, and anti-oxidation properties.

TYPICAL PROPERTIES—BIOHYDRAN AW

ISO grade	32	46	68
Viscosity at 40°C, cSt, ASTM D 445	32	46	64
Viscosity at 100°C, cSt, ASTM D 445	8	10.8	14.5
Viscosity Index, ASTM D 2270	219	237	240
Density @ 60°F, lbs. /gal. ASTM D 1298	7.60	7.69	7.67
Specific Gravity @ 60/60°F ASTM D 1298	0.913	0.924	0.921
Pour Point, °C ASTM D 97	-10 (-23)	-30 (-34)	-25 (-32)
Flash Point, COC, °F ASTM D 92	545 (285)	565 (296)	550 (288)
4 Ball Wear Test, scar diameter mm ASTM D 2266	0.34	0.34	0.34
Biodegradability, % 21 days (CEC-L-33A-94)	95	95	95

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Biohydran AW Series
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