

# BioFlo AW

## BIODEGRADABLE ANTI-WEAR HYDRAULIC FLUIDS

### DESCRIPTION:

**BioFlo AW** Biodegradable Anti-Wear Hydraulic Fluids are formulated from readily biodegradable renewable resources, high lubricity base oils coupled with proprietary nontoxic anti-wear and anticorrosion additives. These high performance products can reduce operating temperatures, friction, and component wear in mobile and industrial hydraulic systems. Excellent thermal and oxidative stability assure superior service life with minimal viscosity change over a broad range of operating temperatures. **BioFlo AW** fluids are suitable for use in ecologically sensitive applications. Available in ISO grades 32, 46 and 68.

### FEATURES:

- ◆ Readily biodegradable renewable resource.
- ◆ Superior anti wear and extreme pressure protection.
- ◆ Advanced rust and corrosion protection.
- ◆ High viscosity index/temperature stability.
- ◆ Low sustainable operating temperature.
- ◆ Ultra-low toxicity.

### TECHNICAL DATA:

| BioFlo                       |                  | AW <sup>32</sup> | AW <sup>46</sup> | AW <sup>68</sup> |  |  |
|------------------------------|------------------|------------------|------------------|------------------|--|--|
| ISO Grade:                   |                  | 32               | 46               | 68               |  |  |
| Specific Gravity:            |                  | .913             | .913             | .913             |  |  |
| Viscosity                    | ASTM D445        |                  |                  |                  |  |  |
| @ 40°C, cSt:                 |                  | 32               | 46               | 68               |  |  |
| Viscosity Index:             | ASTM D2270       | >188             | >200             | >200             |  |  |
| Pour Point °F (°C):          | ASTM D97         | -20 (-28)        | -6 (-21)         | -6 (-21)         |  |  |
| Flash Point °F (°C):         | ASTM D92         | >325(163)        | >500 (260)       | >500 (260)       |  |  |
| Copper Corrosion:            | ASTM D4048       | 1A               | 1A               | 1A               |  |  |
| Rust Test, A & B:            | ASTM D665        | Pass             | Pass             | Pass             |  |  |
| Biodegradability, %:         | CEC-L-33-A-94    | >95              | >95              | >95              |  |  |
| Suggested Operating Range    |                  | Zero to 170F     | 20F to 170F      | 20F to 170F      |  |  |
| Dielectric Breakdown Voltage | ASTMD877         | >55 kV           | >55 kV           | >55 kV           |  |  |
| Aquatic Toxicity, Fathead    |                  |                  |                  |                  |  |  |
| Minnow, LC50, 48hrs., ppm    | EPA-821-R-02-012 | >10,000          | >10,000          | >10,000          |  |  |
|                              |                  |                  |                  |                  |  |  |
|                              |                  |                  |                  |                  |  |  |
|                              |                  |                  |                  |                  |  |  |

### AVAILABLE PACKAGING:

5 Gallon Pails, 55 Gallon Steel or Plastic Drums, 275 Gallon Totes, and Bulk.



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