

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, and also available as a Sheen-Free product.

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.
- ◆ Multi-Grade Performance.

TECHNICAL DATA:

BioFlo		AW ³²	AW ⁴⁶	AW ⁶⁸		
ISO Grade:		32	46	68		
Specific Gravity:	ASTM D1298	.913	.913	.913		
Viscosity	ASTM D445					
@ 40°C, cSt:		32	46	68		
@ 100°C, cSt:		7	10	14		
Pour Point °F (°C):	ASTM D97	-33 (-36)	-22 (-30)	-22 (-30)		
Flash Point °F (°C):	ASTM D92	>325 (163)	>500 (260)	>500 (260)		
Viscosity Index:	ASTM D2270	>188	>200	>200		
Rust Test, A & B:	ASTM D665	Pass	Pass	Pass		
Biodegradability, %:	OECD 301B	>76	>78	>71		
Copper Corrosion:	ASTM D4048	1A	1A	1A		
4 Ball Wear, Scar, mm	ASTM D4172	<.50	<.50	<.50		
Dielectric Breakdown Voltage	ASTM D877	>55 kV	>55 kV	>55 kV		
Aquatic Toxicity, Fathead						
Minnow, LC50, 48hrs., ppm	EPA-821-R-02012	>10,000	>10,000	>10,000		
Bio-Based Content, %:	ASTM D6866		>99	>96		
Alga, EC50, 72hr, mg/L:	OECD 201	20,301	18,546	38,979		
Daphnia, EC50, 48hr, mg/L:	OECD 202	5,548	3,789	13,327		
Fish, LC50, 96hr, mg/L:	OECD 203	34,509	50,982	40,786		

AVAILABLE PACKAGING:

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