

BIOFLO ANTI-WEAR HYDRAULIC FLUIDS

WHY USE BIOFLO ANTI-WEAR HYDRAULIC FLUIDS?

BioFlo AW and AWS Hydraulic Fluids are readily biodegradable, zinc-free, anti-wear hydraulic oils formulated from renewable base stocks to meet the performance requirements of mobile and industrial hydraulic systems. These high lubricity base oils are paired with environmentally friendly additive technologies to minimize ecological impact.

FEATURES & BENEFITS

	AW	AWS	AWS SF
High performing, anti-wear hydraulic fluid for use in most applications	+	+	+
Formulated with premium quality renewable and sustainable natural ester base stocks	+		
Formulated with a combination of renewable and synthetic esters		+	+
Compatible with existing equipment and seals - easy change over from existing lubricants*	+	+	+
Minimally toxic - safer to use and less harmful to skin	+	+	+
Sheen free (CFR Title 40)			+
Naturally high viscosity index for stability in a wide temperature range	+	+	+
Formulated with zinc free, ashless anti-wear additive technologies	+	+	+
Readily biodegradable (≥60% OECD 301A-F/ASTM D7373 testing) within 28 days, mineral oil based products biodegrade only 15-35%	+	+	+
Excellent thermal and oxidative stability	+	+	+
ISO Grade	32, 46, 68	15, 22 32, 46, 68	15, 22 32, 46, 68

*Contact BioBlend for details

Available in pails, drums and totes.

Call us to find out where to buy or place an order directly

888.BIO.BLND
(888.246.2563)

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PROVEN PERFORMANCE

BioFlo hydraulic fluids, sometimes referred to as oils, have been used in the field for over twenty years. These products perform as well - or better - than their petroleum counterparts because they have:

- Extremely good lubricity, which reduces friction and protects your equipment.
- High viscosity index for stability across a broad temperature range. For comparison, petroleum-based hydraulic fluids generally have a VI of 95-105. BioFlo products have a VI of 185-215.
- High flash and fire points for additional safety.

PERFORMANCE + ENVIRONMENTAL BENEFITS

Hoses break, fittings come loose and hydraulic fluid can get released into the environment. BioFlo AW and AWS products exceed the EPA's requirements for environmentally acceptable lubricants (EALs) for biodegradability, toxicity and bioaccumulation.

APPROVALS AND CERTIFICATIONS

USDA BioPreferred Program – 90% Biobased Content

Classified as Environmentally Acceptable Lubricants (EALs) as per the EPA's 2013 U.S. Vessel General Permit (VGP)

Meets Eaton Brochure 03-401-2010 (Dry ASTM D943)

Meets DIN 51524 Part 1, 2 & 3 (Dry ISO 4263-1)

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EXCEEDS CONVENTIONAL PRODUCTS IN:

- + **Viscosity Index** - Maintains stability when operational temperatures change
- + **Lubricity** - Retains film strength as operational temperatures increase
- + **Polarity** - Increased attraction to metal surfaces & defends against water washout
- + **Solvency** - Better protection against build-up during operation
- + **Flash Point** - Lower fire hazard when exposed to high temperature heat sources
- + **Dielectric Strength** - Higher protection against electrical conductivity

KNOW YOUR TESTS

When evaluating which hydraulic oil to use, it is customary to look at testing data. Many industry tests have been formulated to make petroleum products stand out. Further, these tests don't always represent what is happening in the field.

Make sure you are not basing your decision on tests that aren't appropriate to the fluid choice. For example: oxidation testing doesn't accurately reflect the main reason hydraulics fail - which is contamination.

Contact BioBlend to discuss your unique business challenges and to discover a sustainable solution that helps meet your ESG goals.

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