

HonuBio SYN-AW

(Synthetic Anti-Wear Hydraulic Fluid)



Next Generation Sustainable Lubrication Technologies

PRODUCT NAME

HonuBio SYN-AW (Synthetic Anti-Wear Hydraulic Fluid)

MANUFACTURER

Honu Eco Sustainable Solutions, Inc.
200 Mayfly Way
Simpsonville, South Carolina 29680

DESCRIPTION

HonuBio SYN-AW is a fully synthetic, readily biodegradable, hydraulic fluid. It is designed to provide better performance in extreme temperatures and over extended periods of time. It offers high thermal and oxidative stability for extended drain intervals. Friction and wear of parts is minimized in industrial and mobile hydraulic systems. Readily available for delivery worldwide. Available in ISO grades 32, 46, 68.

FEATURES AND BENEFITS

- High thermal and oxidative stability for extended fluid life
- Anti-wear performance for longer parts life
- Wide operating temperature range in extreme cold and extreme heat
- Zinc Free – Reduced risk of corrosion of certain metals. Safer for use around bodies of water
- Readily biodegradable
- High lubricity

PACKAGING

- 5 Gallon Pails
- 55 Gallon Drums
- 275 Gallon Totes

SUITABLE USES

Any industry (construction, refuse, mining, dredging, marine, agriculture, oil & gas, plant operations, etc.) utilizing mobile or stationary hydraulically powered equipment, especially hydraulic systems where a release into the environment is possible or where a leak or spill could reach a waste stream. Performs exceptionally well in temperature extremes (both hot and cold).

STORAGE AND SHELF LIFE

Storage – Keep in a cool, dry and well-ventilated place. Store in a properly labelled, original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To help maintain product quality, do not store in heat or direct sunlight.

Shelf Life - Product shelf life is 24 months from date of packaging. In some cases product can last longer, please contact your Honu Eco representative for proper testing and confirmation instructions.

CAUTIONS

Ensure adequate ventilation. Do not breathe vapor/dust. Use personal protective equipment and avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information. Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

APPLICATION

- Follow recommendations provided in your equipment's owner's manual
- Follow your organization's manuals and/or best practices for preparation, cleaning, conversion, application and ongoing maintenance practices
- If you have further questions, please contact Honu Eco Tech Services by filling out the contact us form on **honueco.com**

APPROVALS / CERTIFICATIONS

Classified as Environmentally Acceptable Lubricants (EAL's) as per the EPA's guidance document that defines standards for Environmentally Acceptable Lubricants (EPA 800-R-11-002) and as required by EPA's 2013 U.S. Vessel General Permit (VGP)

AVAILABILITY

Worldwide.

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Typical Properties

Properties	ASTM Test Method	SYN AW 32	SYN AW 46	SYN AW 68
Product Code		HSYNAW32	HSYNAW46	HSYNAW68
ISO Grade		32	46	68
Specific Gravity	D-1298	0.87	0.87	0.89
Viscosity D445 @40°C, cSt	D-445	32	46	68
Viscosity D445 @100°C, cSt	D-445	6.3	8.7	11.2
Viscosity @-30°C, cSt	D-445	3,500	3,628	3,174
Viscosity Index	D-2270	>180	>180	>180
Flash Point °C	D92	310	310	299
Pour Point °C	D97	-44	-44	-42
FZG Load Stage	DIN 51354	12	12	12
Copper Corrosion	D4048	1A	1A	1A
Rust Test, A&B	D665	Pass	Pass	Pass
Demulsibility 15 minutes	D1401	40-40-0	40-40-0	40-40-0
Dielectric Breakdown Voltage, kV	D-877	<45	<45	>45
Biodegradability % (meaning>60%)		Pass	Pass	Pass
Biodegradability, %	OECD 301B	>75	>75	>75
Minimally Toxic		Pass	Pass	Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>13K mg/L	>13K mg/L	>13K mg/L
Daphnia (EC 50), 48 hr	OECD 202	>25K mg/L	>25K mg/L	>25K mg/L
Fish (LC 50), 96 hr, mg/L	OECD 203	>50k mg/L	>50k mg/L	>50k mg/L
Not Bioaccumulative* (*Calculated value as per EPA standard)		Pass	Pass	Pass

The values quoted above are typical of normal production. They do not constitute a specification. Honu Eco makes no representations, guarantees or warranties, expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose, or as to the correctness or sufficiency of data herein presented. All risk and liability regarding use, conditions of use and handling of this product are assumed by the buyer and any user. No agent, representative, or employee of this company is authorized to vary any of the terms of this notice. To continue to provide superior quality, Honu Eco reserves the right to change the composition of its products without notice.

Honu Eco, Inc. / 200 Mayfly Way / Simpsonville, South Carolina 29680 / www.honueco.com