

DESCRIPTION

BioFlo SB THF is formulated from readily biodegradable, high lubricity synthetic blend base oils coupled with proprietary anti-wear and anti-corrosion additives to meet the requirements for universal tractor/transmission fluid (UTF), drive train/hydraulic fluid. This high-performance formula can reduce operating temperatures and component wear in mobile and industrial hydraulic systems. Excellent thermal and oxidative stability assures superior service life with minimal viscosity change over a broad range of operating conditions and temperatures. BioFlo SB THF is suitable for use in ecologically sensitive applications or wherever a readily biodegradable, high performance UTF/THF is required.

FEATURES & BENEFITS

- Readily biodegradable
- Excellent thermal and oxidative stability
- High performance formulation can reduce operating temperatures and component wear
- Environmentally acceptable lubricant (EAL)
- Zinc free
- Excellent performance over a wide temperature range

SUITABLE USES

Recommended for use in tractor hydraulic and heavy-duty transmission systems that need to meet or exceed the following:

- Meets Allison C3 & C-4 specification
- Meets Caterpillar TO-2 specification

Also Meets these Additional Specifications:

- API: GL-4
- Case Corporation (J.I. Case/Case I.H.C.): MS-1204, 1205, 1206 (Powergard PFT)
- MS-1207 (Hy-Tran Plus)
- MS-1209 (Hy-Tran Plus)
- MS-1210
- JIC-143, 144, 145 (TCH Fluid)
- JIC-185 (TFD Fluid)
- Denison: (Pump only): HF-0, HF-1 & HF-2
- Deutz-Allis: Hydraulic Trans Fluid
- Fiat-Hesston: AF-87
- I.H.C.: B-5 & B-6 Hytran
- **John Deere:** J20 (A,B, Hy-Gard), *J20C & *J20D
- Oliver: Type 55, Type 5J & Q1802

- Renk: Bus Automatic Trans. Fluid
- Sauer Sunstrand/Danfoss: Hydro Static Trans. Fluid
- Sperry Vickers/Eaton:
- I-280-S
- M2950-S
- Steiger: Hydraulic Trans. Fluid
- Versatile: Gear & Hydraulic Trans. Fluid
- Volvo:
- Including WB-101
- White Farm
- ZF Transmissions: TEMPL03 & TEMPL06

* Meets the requirements of J20C & J20D with the exception of the low temperature Brookfield requirements. For these applications in temperatures less than -20F (-29C), use BioFlo FS THF.

LIMITATIONS

Do not use below -20°F (-29°C). For lower temps utilize our BioFlo FS THF

APPLICATION / TECHNICAL SUPPORT

- Follow recommendations provided in your equipment owner's manual
- Follow your organization's best practices for preparation, cleaning, conversion, application, and ongoing maintenance practices
- **Technical Support** - If you have further questions, please fill out contact form on bioblend.com and one of our team will contact you to review your question(s)

APPROVALS / CERTIFICATIONS

- eSyn Certified
- Classified as environmentally acceptable lubricants (EAL's) as per EPA standards for biodegradability, toxicity and bioaccumulation in aquatic environments

PACKAGE SIZES

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

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.

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.

AVAILABILITY

Worldwide

TYPICAL PROPERTIES

Technical Properties	Test Method	SB THF
Product Code		BFSBTHF
Specific Gravity	ASTM D1298	0.91
Viscosity, @40°C, cSt	ASTM D445	48
Viscosity, @100°C, cSt	ASTM D445	9.1
Viscosity Index (VI),	ASTM D2270	>160
Performance Properties		
Pour Point, °F (°C)	ASTM D97	-10 (-23)
Flash Point, °F (°C)	ASTM D92	>470 (243)
Copper Corrosion,	ASTM D4048	1A
Rust Test A & B	ASTM D665	PASS
Biodegradability, %	OECD 301B	PASS >70
Minimally Toxic	OECD 201, 202, 203	PASS
Non Bioaccumulative		PASS

The values quoted above are typical of normal production. They do not constitute a specification.

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APPROVALS / CERTIFICATIONS LOGOS

