

Overview ▶ BioFlo EO is formulated from readily biodegradable, high lubricity base oils coupled with proprietary non-toxic rust and anti-corrosion additives. The special rust & oxidation (R&O) additives and anti-foam agents help provide maximum demulsibility of water and reduce air entrainment to provide higher circulation rates. This high performance formula can reduce operating temperatures, friction and component wear in elevator hydraulic systems. Excellent thermal and oxidative stability assures superior service life with minimal viscosity change over a broad range of operating temperatures.



BioFlow EO fluids are formulated featuring our proprietary **eSyn™** technology and is available in ISO 32.

Typical Properties ▼

Property	ASTM Test Method	EO 32
Product Code		BF2106032
ISO Grade		32
Specific Gravity	ASTM D1298	0.91
Viscosity @40°C, cSt	ASTM D445	32
Viscosity @100°C, cSt	ASTM D445	7
Viscosity Index (VI)	ASTM D2270	>188
Pour Point °F (°C)	ASTM D97	-33 (-36)
Flash Point °F (°C)	ASTM D92	>325 (163)
FZG Load Stage	DIN 51354	11
Copper Corrosion	ASTM D4048	1A
Rust Test A & B	ASTM D665	Pass
4 Ball Wear Scar, mm	ASTM D4172	<0.50
Dielectric Breakdown Voltage kV		>55
Readily Biodegradable (meaning>60%)		Pass
Biodegradability %	OECD 301B	>76
Minimally Toxic		Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>20,000
Daphnia (EC 50), 48 hr, mg/L	OECD 202	>5,500
Fish (LC 50), 96 hr, mg/L	OECD 203	>34,000
Not Bioaccumulative (Calculated value as per EPA standard)		Pass
Bio-based Content %	ASTM D6866	>86

Key Attributes / Approvals ▶



- High viscosity index / temperature stability
- Advanced rust and corrosion protection
- Low air entrainment to increase circulation rates
- USDA BioPreferred Program
- 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)

See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.

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