

# BIOFLO EO

**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. ISO Grade 32.

## Specifications, Approvals, Recommendations:

- USDA BioPreferred Program

Physical Properties	EO
ISO Grade	32
Specific Gravity, ASTM D1298	.91
Viscosity, ASTM D445 @40°C, cSt	32
Viscosity, ASTM D445 @100°C, cSt	7
Viscosity Index (VI), ASTM D2270	>188
Pour Point, ASTM D97, °F (°C)	-33 (-36)
Flash Point, ASTM D92, °F (°C)	>325 (163)
FZG Load Stage, DIN 51354	11
Copper Corrosion, ASTM D4048	1A
Rust Test, ASTM D665, A & B	PASS
4 Ball Wear, ASTM D4172, Scar, mm	<.50
Dielectric Breakdown Voltage, ASTM D877, kV	>55
<b>Environmental Stewardship: Meets EPA requirements to be classified as an EAL per the 2013 VGP</b>	
Readily Biodegradable (meaning>60%) OECD 301B, %	PASS >76
Minimally Toxic OECD 201 - Algae (EC 50), 72 hr, mg/L OECD 202 - Daphnia (EC 50), 48 hr, mg/L OECD 203 - Fish (LC 50), 96 hr, mg/L	PASS >20,000 mg/L >5,500 mg/L >34,000 mg/L
Not Bioaccumulative* [* Calculated value as per EPA standard]	PASS
<b>Additional Environmental Features and Characteristics</b>	
Bio-based Content, ASTM D6866, %	>86

## Features & Benefits:

- Readily biodegradable
- High viscosity index / temperature stability
- Advanced rust and corrosion protection
- Excellent demulsibility
- Low air entrainment to increase circulation rates

