

Overview ▶ BioFlo EPIC TO is a natural ester, High Oleic turbine oil specifically designed for high performance. It offers extended oil life in lube oil systems and high thermal and oxidative stability. Friction and wear of parts are minimized with the use of BioFlo EPIC TO. These oils have naturally occurring solvency which restricts the formation of sludge and varnish.



BioFlow EPIC TO is formulated featuring our proprietary **eSyn™** technology and is available in ISO grades 46 and 68.

Typical Properties ▼

Property	ASTM Test Method	46	68
Product Code		BF2300046	BF2300068
ISO Grade		46	68
Specific Gravity	D-1298	0.87	0.89
Viscosity @40°C, cSt	D-445	46	68
Viscosity @100°C, cSt	D-445	8.7	11.2
Viscosity Index (VI)	D-2270	>180	>180
Pour Point °F (°C)	D-97	-30 (-34)	-30 (-34)
Flash Point °F (°C)	D-92	>590 (310)	>570 (299)
FZG Load Stage	DIN 51354	12	12
Copper Corrosion	D-4048	1A	1A
Rust Test, A & B	D-665	Pass	Pass
Demulsibility, 20 minutes	D-1401	42-38-0	42-38-0
Dielectric Breakdown Voltage, kV	D-877	>35	>35
Readily Biodegradable (meaning>60%)		Pass	Pass
Biodegradability	OECD 301B	>80	>80
Minimally Toxic		Pass	Pass
Algae (EC 50), 72 hr, mg/L	OECD 201	>13,000	>13,000
Daphnia (EC 50), 48 hr, mg/L	OECD 202	>25,000	>25,000
Fish (LC 50), 96 hr, mg/L	OECD 203	>50,000	>50,000
Not Bioaccumulative (Calculated value as per EPA standard)		Pass	Pass
Bio-based Content, %	D-6866	>80	>80

Key Attributes / Approvals ▶



- Specifically formulated for Hydro Electric power station Turbines and Governors.
- 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)
- NOT FOR USE IN GAS TURBINES

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

Rev. BFEPIC TO-05272020