



BIO-HYDRAULIC

Premium Biodegradable Hydraulic Oil



Features & Benefits

- Readily biodegradable
- Excellent choice for hydraulic and circulation systems operating in environmentally sensitive areas

Specifications

Meets or Exceeds manufactures and industry test standards	
Bio-degradation ASTM D5864	Ultimate Biodegradable
Classification	Pw1

Typical Results

ISO Grade	46
Density @ 15°C (D4052), kg/l	0.876
Viscosity (D445)	
cSt @ 40°C	43.8
cSt @ 100°C	9.7
Viscosity Index (D2270)	215
Pour Point (D97), °C	-38
Flash Point (D92), °C	243
Fire Point (D92), °C	266
4-Ball Wear, mm	0.35
FZG Gear Test	12
Emulsion Tendency	40/40/0 10 min
Biodegradation Classification	Ultimate Pw1
VGP/EAL Compliant	Yes

Irving Bio-Hydraulic 46 is a premium environmentally responsible hydraulic fluid engineered to provide exceptional performance in hydraulic and circulation systems.

Irving Bio-Hydraulic 46 satisfy the requirements for ultimate biodegradability and non-toxicity making it an excellent choice for hydraulic and circulation systems operating in environmentally sensitive areas.

Irving Bio-Hydraulic 46 meets or exceeds most major hydraulic pump and system manufacturer's toughest fluid requirements. It contains anti-wear and film strength additives for hydraulic systems operating under high load and high-pressure settings. It also provides excellent protection against rust and corrosion.

Irving Bio-Hydraulic 46 complies with the "biodegradable", "minimally-toxic" and "not bio-accumulative" standards as defined in Appendix A of the 2013 Vessel General Permit issued by the United States Environmental Protection Agency.

Sizes & Order Codes

Bio-Hydraulic 46
18.9L (5.0 US Gal) F0123540

www.irvingoil.com/lubricants
1.800.574.5823

Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals. Please note, these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to 01-20-2020.

www.irvingoil.com/lubricants 1.800.574.5823