

BIO-XPL™ Hydraulic



**LUBRICANTS FOR
A HEALTHIER
PLANET™**

Extreme Performance Readily Biodegradable Fluid

No Compromise: Bio-Based, Bio-Degradable, Extreme Performance

Meeting your sustainability goals doesn't have to be a cost center. BIO-XPL Hydraulic is an extreme performance hydraulic fluid that is readily biodegradable, features no bio-accumulative heavy metals and has low aquatic toxicity, minimizing environmental damage and cleanup expense in the event of an accidental release. It improves fuel efficiency, work output and equipment life expectancy while maximizing drain intervals to save you money and boost productivity. Made with renewable, shear-stable biosynthetic base oils, BIO-XPL Hydraulic features an extremely high viscosity index to ensure optimum viscosity control over a wide temperature range, keeping your gear-, vane- and piston-pumps operating at peak efficiency. It has been tested for excellent compatibility with most common hose and seal materials to prevent leakage, and is fully compatible with conventional hydraulic fluids for easy change-over. BIO-XPL Hydraulic packaging materials are totally recyclable to promote circularity and sustainability.

BENEFITS

- **Non-Toxic and Readily Biodegradable**
- **Made from Bio-Sourced Materials**
- **Developed for environmentally sensitive areas**
- **Outstanding protection against wear and scuffing**
- **Reduces friction up to 17% vs. conventional oils**
- **Maximizes pump efficiency and output**
- **Excellent oil life and varnish resistance**
- **Strong compability with common seals and elastomers**
- **Factory filtered to ensure a Clean Start**

BIO-XPL Hydraulic Meets or Exceeds the following industry specifications:

- Parker Hannifin HF-0, HF-1, HF-2
- Parker Hannifin HF-6 HEPR
- Eaton E-FDGN-TB002-E
- Bosch Rexroth RE 90220
- ISO 11158 HV
- ASTM D6158 HVHP
- DIN 51524-3 HVLP
- Fives Cincinnati P-70
- Danfoss 520L0463
- EPA Vessel General Permit

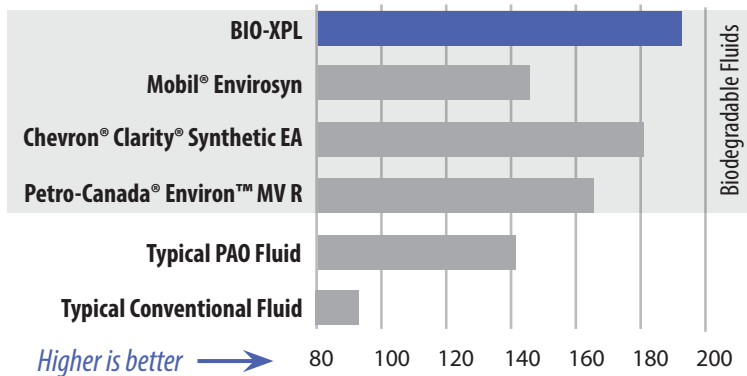
SUSTAINABLE LUBRICATION WITH NO COMPROMISE IN PERFORMANCE

ENVIRONMENTAL IMPACT

Accidental release of conventional lubricants to the environment can result in hefty fines, as well as additional costs and lost production due to environmental rehabilitation. BIO-XPL's bio-degradable, non-toxic formulation mitigates the cleanup cost of an accidental release, and is designed to minimize operating temperatures and maximize the life of hoses and seals, reducing the likelihood of leakage or hose failures.

EFFICIENCY & PRODUCTIVITY GAINS

VISCOSITY INDEX



A fluid with high viscosity index resists thickening when cold and thinning when hot, maintaining ideal viscosity. While "high-viscosity index" fluids have shown efficiency improvements up to 4%, "extreme-viscosity index" fluids have shown efficiency gains up to 13% and productivity improvements up to 24%.

EQUIPMENT PROTECTION



BIO-XPL Hydraulic exceeds OEM requirements with an FZG rating of 12+ for greater protection against pump scuffing and micropitting wear.



SUPERIOR SERVICE INTERVAL

8,000 +

While many bio-based lubricants exhibit poor oxidation stability, BIO-XPL is rated for over 8,000 hours according to the ASTM D943 TOST Test to ensure long product life.

BIO-XPL HYDRAULIC IS RECOMMENDED FOR USE IN MOST:



Rear Loaders



Side Loaders



Front Loaders



Compactors & Balers

For optimal results, use with:

MAJESTIC™ 800 FOOD GRADE SYSTEM FLUSH

Majestic™ Food Grade System Flush is formulated to effectively remove debris, deposits and varnish. It lubricates while cleaning and is recommended for improving oil change effectiveness and when converting equipment to food grade lubricants.

