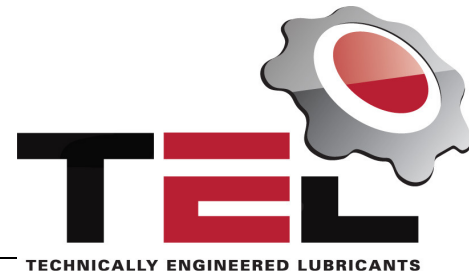


PRODUCT INFORMATION



TEL Biodegradable Anti-Wear Hydraulic Oils Non-Toxic, Environmentally Friendly

Product Description

Biodegradable Anti-Wear Hydraulic Oils are fully formulated, thermally stable, non-zinc containing antiwear hydraulic oil for use in both high and low pressure hydraulic systems for industrial and mobile applications. It contains a unique combination of phosphorus, sulfur, antiwear and friction modifying chemical components as well as a combination of metal passivator, demulsifiers, rust inhibitor and defoamer for longer fluid life.

Our Biodegradable Antiwear Hydraulic Oil is a **Vegetable based**. It is designed to minimize environmental impact and have low environmental persistence. The fluid is totally biodegradable and exceeds the government criteria of being “**readily**” biodegradable. It has a natural ability to biodegrade quickly and completely. Once the Fluid is leaked into the ground, it has ability of substance to be digested or consumed by naturally occurring microorganism present in water, air and soil system. Complete biodegradability is the conversion of a substance to carbon dioxide and water. Developed as an **alternative to mineral based hydraulic fluids**.

Advantages & Uses

• **BIODEGRADABLE ANTIWEAR HYDRAULIC OILS** are fully formulated ashless antiwear hydraulic fluid that has produced excellent biodegradation characteristics.

Features

- Superior hydrolytic stability
- Excellent EP & Rust performance
- Outstanding oxidative stability
- Good demulsibility and anti-foam properties
- Good low temperature & A/W properties
- **Biodegradable via CEC/Sturm test methods**

Performance Requirements

- Vickers I-286-S, M-2950-S
- Cincinnati Milacron P-68, P-69, P-70
- DIN 51524 Part 2
- Racine, Variable Volume Vane Pumps
- AFNOR NFE 48-603HM
- Lee-Norse 100-1
- Jeffrey No. 87
- Ford M-6C32
- B.F. Goodrich 0152
- General Motors LH-04-1, LH-06-1, LH-15-1

Test

46

API Gravity	21.60
ASTM Color	2.0
Viscosity cSt @ 40 °C.	46.0
Viscosity @ -25 °C., Brookfield	3000 cPs
Pour Point, °C.	-14
4-Ball Wear:	
1 hr, 167 °F, 1200rpm, 40kg	0.30/0.30
1 hr, 130 °F, 1800rpm, 20kg	0.30/0.30
1 hr, 130 °F, 1800rpm 40kg	0.30/0.33
Biodegradability CEC/Sturm	100%
Demulsibility:	40-40-0 (10)
Flash, PMCC, °C.	>250
Ecotoxicity Data	
Fathead minnow	96hr. LC-50 = >10,000 ppm
Daphnia magna	48hr. EC-50 = >10,000 ppm WAF

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY