Technical Product Information

BIODEGRADABLE ANTIWEAR HYDRAULIC OIL

Product Description: **BIODEGRADABLE ANTIWEAR 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. Developed as an alternative to mineral based hydraulic fluids where good low temperature properties, improved oxidation stability, low toxicity and fluid biodegradation properties are required.

Features:

- Superior hydrolytic stability.
- Excellent EP performance.
- Outstanding oxidative stability.
- Excellent rust protection.
- Good demulsibility and anti-foam properties.
- No heavy metals.
- Good low temperature properties.
- Excellent antiwear performance.
- Biodegradable - CEC/Sturm test (OECD 301B) methods.

Typical Uses:

- 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.

Typical Specifications:

GRADE, SAE	32	46	68
Specific Gravity @ 15.6° C.	0.921	.924	0.924
Viscosity cSt @ 40° C.	32.0	42.50	65
Viscosity @ -25° C., Brookfield	3000 CPS	3200 CPS	3500 CPS
Pour Point, °C.	-15	-15	-15
4-Ball Wear:			
1hr, 167° F., 1200rpm, 40kg.	0.30/0.30	0.30/0.30	0.30/0.30
1hr, 130° F., 1800rpm, 20kg.	0.30/0.30	0.30/0.30	0.30/0.30
1hr, 130° F., 1800rpm, 40kg.	0.30/0.33	0.30/0.33	0.30/0.33
Biodegradability CEC/STRUM	100%	100%	100%
Demulsibility:	40-40-0 (10)	40-40-0 (10)	40-40-0 (10)
Flash PMCC, °C.	>220	>250	>250

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY.