



UNITED BIODEGRADABLE HYDRAULIC OIL FP

Product Description:

United Biodegradable Hydraulic Oil FP does not contain water, mineral oil or phosphate that blended with special high viscosity index ester base stocks and carefully selected additives. It is a boutique of the hydraulic oil that will replace mineral oil-based hydraulic oil and meet or exceed the requirements of the European ECO Label scheme for bio-degradable hydraulic fluids specifications.

United Biodegradable Hydraulic Oil FP is non-irritating, non-toxic to aquatic organisms, completely biodegradable, waste easy to handle. It is suitable for use in hydraulic equipment that requires environmental protection. Not only to ensure the environment-friendly but also affect the overall operation of the hydraulic system performance. It has a longer service life, excellent wear and lubricity with comparing mineral base stoke hydraulic oil. United Biodegradable Hydraulic Oil FP is suitable for use in most hydraulic equipments.

Applications / Benefits:

- ▣ Completely biodegradable, waste easy to handle.
- ▣ Excellent oxidation, hydrolytic and thermal stability.
- ▣ High shear stability.
- ▣ Excellent wear, lubricity.
- ▣ Extended service life in offshore, off-road and forestry applications.

Typical Characteristics:

Test Description	Method	15	22	32	46
ISO Viscosity Grade	-	15	22	32	46
Specific Gravity @ 15 °C	ASTM D 4052	0.901	0.905	0.910	0.915
Flash Point, °C	ASTM D 92	220	238	242	245
Pour Point , °C	ASTM D 97	-39	-39	-39	-36
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	15.2	22.4	33.1	45.3
cSt @ 100°C	ASTM D 445	3.98	5.20	7.01	9.33
Viscosity Index	ASTM D 2270	170	174	180	195
Color	ASTM D 1500	<1.0	<1.0	<1.5	<1.5

Specifications, Approvals & Recommendations:

- Text Box: EU Ecolabel
- ISO 15380 HEES
- Eaton Brochure 03-401-2010
- Parker Hannifin France HF-1
- Parker Hannifin France HF-2
- Parker Hannifin France HF-6

Product Data Sheet