



BioFLUID 68

Biodegradable Synthetic Hydraulic fluid

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BioFLUID synthetic hydraulic fluids are high performance, easily biodegradable polyol ester based fluids with a special environmentally friendly additive package, which provides excellent oxidation stability, corrosion and wear protection and extended oil-drain intervals.

Because of the speedy biodegradability, these environmentally compatible fluids are recommended for use in all equipment where there is a risk of contamination to the environment and particularly for plant and machinery working in ecologically sensitive areas.

BioFLUID hydraulic fluids meet the technical minimum requirements for HEES-oils according to VDMA 24 568 (synthetic esters soluble in water) and meet the requirements for hydraulic oils HLP and HVLP according to DIN 51 524 parts 2 and 3, and meet the allocation conditions for initial fill into hydraulic units.

They are also classified as "not water-polluting" (German Class 'NWG') and meet the requirements to carry the environment sign Blauer Engel (Blue Angel) according to RAL-UZ 79 and Features;

- Rapidly Biodegradable in water and / or soil almost without any residues.
- The low pour point and the high viscosity index means excellent performance is achieved over a wide temperature range as a multigrade hydraulic fluid.
- The very good oxidation stability assures trouble-free operation at extended oil-drain intervals.

Typical properties;

ISO VG Class DIN 51 519	68
Appearance Visual	Brown
Density at 15 C DIN 51 757 kg / m ³	934
Kinematic viscosity at 0 C DIN 51 562 mm ² / s	585
Kinematic viscosity at 40 C DIN 51 562 mm ² / s	68
Kinematic viscosity at 100 C DIN 51 562 mm ² / s	12.6
Viscosity index DIN ISO 2909 mm ² / s	180
Pour Point DIN ISO 3016 mm ² / s	-33
Flashpoint DIN ISO 2592 C	300
Biodegradability CEC-L-33-A-93 %	> 90
Operating temperature range DIN ISO 2592 degC	-20 to +90

BioFLUID hydraulic fluids do not affect commercial varnishes. Although they are miscible with mineral oils, mixing of oils should be avoided because of the loss of biodegradability.

