



Better engine oils
Power to protect. Power to perform.



TOP HYDROL 46 BIODEGRADABLE

PRODUCT CODE: T03510

TOP HYDROL 46 BIODEGRADABLE Superior biodegradable hydraulic oils manufactured from natural refined rapeseed oil. It is fortified with proprietary additives to provide excellent anti-wear and high temperature performance that is as good as if not better than that found in mineral oil based grades. Completely free of zinc and all other heavy metals thus avoiding environmental pollution through spillage or leakage. Recommended as a replacement for mineral oil based hydraulic oils, particularly where spillage or loss in plant and equipment used near to, or for the construction of, waterways and reservoirs. Also recommended for all applications where some contact with humans or animals is a possibility. These applications include elevators, door openers, aircraft baggage handlers, people movers and total system losses, that frequently occur from burst hoses on hard worked hydraulic equipment.

BENEFITS

- High oxidation stability
- Extended drain intervals
- Environmentally friendly
- Biodegradable, very high level of biodegradability

Exceeds the following performance criteria:

- Biodegradability (CEC-L-33-T-82) >98%
- Din 51524 Part 3

ISO 6743-4-HETG

TYPICAL ANALYSIS:

Product Code	FAHY46BD
Specific Gravity @15.6°C	0.925
KV @ 40°C (cSt)	46
KV @ 100°C (cSt)	10.5
Viscosity Index	208
Flash Point (°C)	>220
Pour Point (°C)	-20
Biodegradability (%)	>98%
FZG test (DIN 51354) [A/8.3/90]	
Vickers vane pump (IP 281) -Wt loss ring (mg) -Wt loss vanes (mg)	
Rust prevention (ASTM D 665) -Procedure A -Procedure B	
Copper corrosion (ASTM D130)	
Air release (IP 313)	

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Foam (ASTM D 892) -5 mins blowing. Seq 1/2/3 -10 min settling. Seq 1/2/3

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JASO