



RUBRIC BIO 46

Biodegradable Hydraulic oil

100% Synthetic – Esters

ISO VG 46 - HEES

TYPE OF USE

MOTUL RUBRIC BIO 46 is a 100% synthetic biodegradable hydraulic oil using high performance Esters. Specially developed for all hydraulic systems working in severe conditions, operating at high pressure within important temperature variation and requiring an environmentally friendly “Ecolabel” lubricant in the following areas: river locks, sewage treatment plants, civil works, hydraulic systems in forest, propulsion in tunnels...

Suitable for all types of hydraulic pumps: axial pistons, radial pistons, gear sets or blades.

PERFORMANCES

STANDARDS	ISO 6743-4, ISO 15380 DIN 51524 Part 2, DIN 51524 Part 3
APPROVALS	European Ecolabel under N° DE/027/027 Ecolabel “Blaue Engel” under rubric N° RAL-UZ 178 Bosch Rexroth under number: RE 90221-01 Waste code: AW 130112



RAL-UZ 178



DE/027/027

Very fluid at low temperatures allowing easy start up.
Excellent shear resistance allowing use at very high pressure.
Excellent anti-wear properties which increase the pumps life.
Harmless to elastomers.
High biodegradability level (> 90% in 21 days)
High resistance to oxidation: Long drain oil.
Good filtering capacities. Stability under hydrolysis.
Anti-corrosion, Anti-rust, Anti-foam.

RECOMMENDATIONS

Oil change: according to manufacturers' requirements and oil analysis results.
Can be mixed with synthetic and mineral oils.

PROPERTIES

Color	Visual	Amber
Density at 20°C (68°F)	ASTM D1298	0.920
Viscosity at 40°C (104°F)	ASTM D445	46.0 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	7.9 mm ² /s
Flash Point	ASTM D92	310°C / 590°F
Pour Point	ASTM D97	-36°C / -33°F