repsol lubricants

Hydraulic Oil

MAKER BIO TELEX

Description

The Bio Telex product is a synthetic and biodegradable hydraulic fluid. A careful selection of bases (synthetic esters) and additives endow it with excellent lubricant properties, allowing its use in power transmissions and machinery in environmentally sensitive areas.The additives used in the formulation are of the ashless type.
It is a fluid specially formulated to replace mineral hydraulic oils in systems where there is a need for or interest in using a biodegradable fluid. Therefore, it is recommended for hydraulic systems, hydrostatic couplings, control systems or moderately loaded dividers in machinery for forestry, civil works, agriculture, etc. to minimise the risks of environmental impact in the event of accidental spills. In order to maximise performance, it is advisable to subject the circuit containing mineral oil to a thorough washing process.

Properties

•Excellent anti-wear protection.
•Very good filterability.
•High viscosity index. Wide range of use temperatures.
•Compatible with typical Viton or NBR rubber elastomer.
•Resistance to rusting.
•Very good lubricity properties.
•MOAHs free (Mineral Oil Aromatic Hydrocarbon).

Quality levels, approvals and recommendations

• DIN 51524/3 HV (except resistance to ageing)
• ECOLABEL ECOLABEL (46, 68)*
• ISO 6743/4 HEES, 15380 HEES
• MANULI Hydraulics (46)*
• OECD 301-B Biodegradable
*Formal approval

Technical specifications

	UNIT	METHOD	VALUE		
ISO Viscosity Grade			32	46	68
Density at 15 ºC	g/cm3	ASTM D4052	0.910	0.912	0.924
Kinematic viscosity at 40 ºC	cSt	ASTM D445	32	46	68
Kinematic viscosity at 100 ºC	cSt	ASTM D445	7.4	9.8	12,4
Viscosity index	-	ASTM D2270	202	180	182
Flash point, open cup	ºC	ASTM D92	300	310	318
Foams: Sec I, II, III, stability		ASTM D892	0/0/0	0/0/0	0/0/0
Pour point	ºC	ASTM D97	-38	-45	-39
FZG (A/8,3/90): Failure load stage	-	ISO 14635	11	11	12
Corrosion Cu, 3hrs 100 °C	-	ASTM D130	1b	1a	1a
Low temperature fluidity, -20 °C, 168h	cSt	ASTM D2532	850	1,870	3,210

The above mentioned characteristics are typical values and should not be considered product specifications.

ES-MD/027/00001

EU Ecolabel www.ecolabel.eu