INDUSTRY

LUBRICANTS FOR INDUSTRIAL USE

CEPSA BIO OIL HM-S

DESCRIPTION

Synthetic hydraulic fluid EAL (lubricant acceptable for the environment) special developed for any application where a biodegradable product is required that complies with the VGP 2013 legislation.

PRODUCT APPLICATIONS

- Product formulated with ester type bio-degradable synthetic bases and especially selected additives for its use as a hydraulic fluid.
- Especially recommended for hydraulic systems working under severe conditions of use that require high anti-wear properties and a high viscosity index stable over time.
- Any industrial application that requires a biodegradable oil.

PRODUCT PERFORMANCE

- Bio-degradability. Minimises the effects of environmental contamination.
- High natural viscosity index, Allows it to work under a wide range of temperatures.
- Excellent lubricating, anti-wear and anti-corrosion properties.
- Compatible with gaskets normally used in hydraulic circuits (Viton, Perbunan, nitrile NBR, neoprene, silicone etc.).

SPECIFICATIONS

- VDMA 24568 clase HEES
- ISO 15380 clase HEES
- Tipo EAL para cumplimiento de VGP 2013

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA TURBO OIL SYNT		
ISO Grade			**32**	**46**	**68**
Density at 15ºC	g/ml	ISO 3675	0,913	0,920	0,935
Flash Point O/C	ºC	ISO 2592	270	285	300
Pour Point	ºC	ISO 3016	-45	-51	-36
Viscosity at 40ºC	cSt	ISO 3104	32	46	68
Viscosity at 100ºC	cSt	ISO 3104	7,3	9,5	12,7
Viscosity Index	-	ISO 2909	195	183	180
Biodegradability after 21 days	%	CEC-L-33-A-93	>90	>90	>90
FZG, stage fail A/8,3/90	-	DIN 51354	11	11	11

HEALTH & SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.

The typical values of the characteristics appearing in the table are average values given for guidance purposes.
These values may be modified without any prior warning.