COREX HV

Multigrade high performance industrial and hydraulic oils

Description

MOTOREX COREX HV is a range of multigrade high performance industrial and hydraulic oils with a multigrade character. It is formulated from carefully selected paraffin-based base oils and high performance high pressure additives. Chemical additives which are extremely stable when subjected to shear forces and can change their structure ensure a markedly high viscosity index (High Viscosity Index = HVI) and a resultant extremely flat viscosity-temperature-curve. This multigrade characteristic is also retained after long hard use (stay-in-grade).

Area of application

MOTOREX COREX HV are especially suitable for all hydraulic systems which are subjected to low and high temperatures on an irregular basis such as outdoor installations on power stations, construction machinery, cranes, forklifts etc. They are also used as dump truck, air column and shock absorber oils and are find optimal use as lubricating oils in presses, machine tools etc.

Advantages

- multigrade hydraulic oils
- a very favourable viscosity-temperature characteristic thanks to the high viscosity index
- excellent stability when subjected to shear forces
- no HV-Index (**H**igh-**V**iscosity) break-down
- excellent corrosion protection
- a low pour point
- an excellent wear reduction effect
- high pressure properties
- neutral behaviour in the presence of seals
- compatible with other hydraulic oils manufactured on a mineral oil basis

Specifications

DIN 51524/-3 (HVLP), EN ISO 6743-4
CINCINATI MILACRON P-68, -69, 70
Denison HF-0 (Revision J), HF-1, HF-2
ASTM D6158 HM (2005),
SEB 181 222 (2007)
ISO 11158 HM (FDIS 2008)
Eaton Vickers M-2950-S
US Steel 126, 127,136
Eaton Vickers I-286-S
JCMAS HK P041 (2004)
General Motors LS2 (1997),
Sauer Danfoss

Technical data

Properties	Unit	Test according to	Values					
Viscosity class		ISO VG	15	22	32	46	68	100
Colour		DIN ISO 2049	yellow	yellow	yellow	yellow	yellow	yellow
Density at 20 °C	g/ml	ASTM D 4052	0.855	0.862	0.854	0.872	0.877	0.883
Viscosity at 40 °C	mm²/s	DIN 51562-1	14.8	22.7	33.7	46.3	67.4	100
Viscosity at 100 °C	mm²/s	DIN 51562-1	4.1	5.5	6.7	8.4	11.3	14.8
Viscosity index		DIN ISO 2909	196	195	161	159	161	154
Pourpoint	°C	ASTM D 5950	-51	-45	-42	-42	-39	-39
Flash point	°C	DIN EN ISO 2592	>170	>180	>180	>200	>200	>200

Water hazard class: WGK 1
Disposal code: EWC 130 110

TI/Hydrauliköl/Corex HV 0116

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