Product information
33852000-1

KAJO®-BIO-Hydrauliköl HFDU 46

DE/027/286

www.blauer-engel.de/uz178
- biologisch abbaubar
- schadstoffarm

KAJO®-BIO-Hydrauliköl HFDU 46 is a fireresisting and water-free hydraulic fluid according to DIN EN ISO 12922. It is based on synthetic ester, which is easily biodegradable, as well as on an especially powerful and environmentally friendly combination of additives.

KAJO®-BIO-Hydrauliköl HFDU 46 shows excellent oxidation stability combined with superior anticorrosion, EP and AW characteristics. Besides, it offers a wide range of operation due to its wide low temperature characteristics.

KAJO®-BIO-Hydrauliköl HFDU 46 fulfills any technical requirement according to DIN ISO 15380. Furthermore, it is approved according to DIN ISO 12922 (former 7th Luxembourg report) regarding its fire protection grade.

KAJO®-BIO-Hydrauliköl HFDU 46 entitled the environmental label Blauer Engel (blue Angel) according to DE-UZ 178 and has the Ecolabel, eco-label of the European Union, registration no. DE/027/286 awarded.
KAJO®-BIO-Hydrauliköl HFDU 46 is FM APPROVED

Practical advantages:
KAJO®-BIO-Hydrauliköl HFDU 46 is used in areas with increased risk of fire, such as in steel mills, forges and metallurgy as well as in mining, where especially underground working is at a high risk of fire. Furthermore, the use is recommended in areas prone to an increased environmental risk.

- blast furnace,
- casting plants
- underground and opencast mining
- tunnelling
- ydraulic aggregates in forests and fields

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Typical characteristics:

Properties	Value	Unit	Test method
Colour index	2,0	-	ASTM D 1500
Viscosity at 40 °C, kin.	46	mm²/s	ASTM D 7042
Viscosity at 100 °C, kin.	9	mm²/s	ASTM D 7042
Density at 15°C	917	kg/m³	DIN EN ISO 12 185
Pour point	-39	°C	ASTM D 97
Flash point, Cleveland Open Cup	>300	°C	DIN EN ISO 2592
Acid number	2,5	mgKOH/g	DIN ISO 6618
Foam behavior, SEQ I	10/10	ml	ASTM D 892
Foam behavior, SEQ II	5/0	ml	ASTM D 892
Foam behavior, SEQ III	10/0	ml	ASTM D 892
Anti-corrosion steel fingers, dest. Water	pass	-	DIN ISO 7120
Copper corrosion, 3h/100°C	1A	degree of corrosion	DIN EN ISO 2160
Air release, 50°C, max.	2	min	ISO 9120
TOST Test (dry)	340	h	ISO 4263-3-mod
Water content	400	%	ASTM D 6304
FZG-Test; A/8,3/90	12	Damage loading step	DIN ISO 14 635-1
Flame retardancy - time to extinguish the flame, max. 30 s	17	sec.	ISO 15029-1
Flammability on a hot surface - ignition temperature, min. 400 °C	465	°C	ISO 20823

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