

Aral Montral 44

Fire resistant hydraulic fluid type HFC

Applications:

Aral Montral 44 is a fire resistant, HFC type hydraulics fluid, developed with the newest state of the art technologies, expert opinions and testing reports. The extremely stringent and extensive requirements of the 6th Luxembourger report are totally fulfilled (in particular with respect to wearing protection and corrosion protection properties). Aral Montral 44 is listed in the current catalog of fire resistant hydraulics fluids, authorized by the NRW Landesoberbergamt (North Rhine Westphalia Head Regional Mining Office).

Operational area:

Aral Montral 44 provides a high safety assurance that is required for use in the mining industry.

Technical Data

Density at 15 °C	g/ml	DIN 51757	1.060
Flash point COC	°C	DIN ISO 2592	none
Oxide ash	Gew. %	DIN EN ISO 6245	<0,01
Watercontent	Gew. %	DIN ISO 3733	48
pH-Value		7. Lux. Rep T.3	9,4
Viscosity 0 °C	mm ² /s	DIN 51562	280
Viscosity 20 °C	mm ² /s	DIN 51562	110
Viscosity 50 °C	mm ² /s	DIN 51562	34
Viscosity Index		DIN ISO 2909	>200
Flowability	°C	7. Lux. Rep T.3	-40
Air release time at 50 °C	min	DIN 51381	20
Shear stability			
Change of viscosity		7. Lux. Rep T.3	
-20 °C	%		+4
+50 °C	%		+2
Wearing protection capability			
Vickers Pump test (V 104-C)			
Loss of weight			
after 250 h / 105 bar	mg	DIN 51389	<50
after 250 h / 140 bar	mg	DIN 51389	<100
FZG test A/8,3/90	SKS	DIN 51354-2	9
Four ball test			
Welding load	N	DIN 51350-4	1.100
Wearing characteristics	mm ²	DIN 51350-5	0,75 (1h / 400N)

Remarks:

Aral Montral 44 contains no nitrite. This product is to a large extent biodegradable, poses no danger to health and is classified "O" in the water endangering category.

All data is subject to development for the product and the production process.

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