

About EOS

Electrical Oil Services (EOS) is a key brand of HCS Group GmbH and a leading supplier of both regenerated and unused electrical insulating oils and associated services in Europe. EOS specialists have 60 years' experience in the production and marketing of insulating oils and supply both large and small customers in the electricity distribution industry with tailor-made solutions.



Electrical Oil Services

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Unused Insulating Oil

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Unused Insulating Oil

- Complies with international standard IEC 60296
- Excellent quality
- Pure hydrocarbon oil based on selected crude oils
- Specially refined and blended
- Meets individual requirements of our customers



Property	Test Method	Specification		Typical Data
		min	max	
Physical				
Appearance		clear, free from sediment and suspended matter		
Viscosity @ - 30 °C [mm ² /s]	ISO 3104		1800	1291
Viscosity @ 40 °C [mm ² /s]	ISO 3104		12.0	10.3
Closed Flash Point [°C]	ISO 2719	135		141
Pour Point [°C]	ISO 3016		- 40	- 57
Density @ 20 °C [g/ml]	ISO 12185		0.895	0.876
Chemical				
Neutralisation value [mgKOH/g]	IEC 62021-1		0.01	< 0.01
Corrosive sulphur	IEC 62535 ASTM 1275 B DIN 51353	non-corrosive		
Polycyclic aromatics mass [%]	BS 2000 IP 346		3	< 3
PCB content [mg/kg]	IEC 61619	not-detectable		
Water content [mg/kg]	IEC 60814			
Bulk			30	< 15
Drums			40	< 25
Oxidation stability @ 120 °C at 164h	IEC 61125 (method C)			
Acidity after oxidation [mgKOH/g]			1.2	0.7
Sludge value [%]			0.8	0.2
Electrical				
Dielectric Dissipation Factor @ 90 °C	IEC 60247		0.005	0.001
Breakdown voltage on delivery [kV]	IEC 60156	30		> 40