



EOS® MRU

Mobile Transformer Regeneration Services

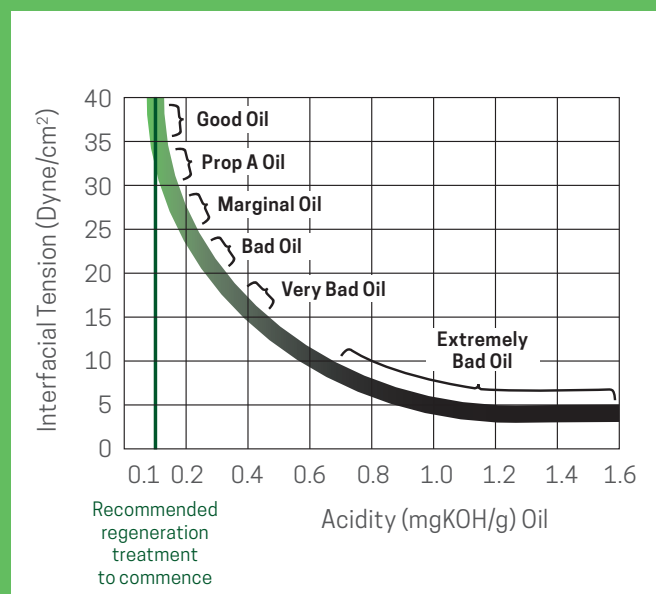
Transformer Regeneration Services with EOS® MRU

- ◈ Treats the whole insulation system, not just the oil
- ◈ Removes aging materials such as acids, peroxides and sludge
- ◈ Significantly extended transformer life
- ◈ On-load, off-load or de-energised operation with extensive safety features
- ◈ Added inhibitors replace depleted natural antioxidants and extend oil life
- ◈ Full technical analysis completed by EOS engineers prior to regeneration process
- ◈ Comprehensive on-site laboratory tests in own on-board unit
- ◈ Full test report and follow up

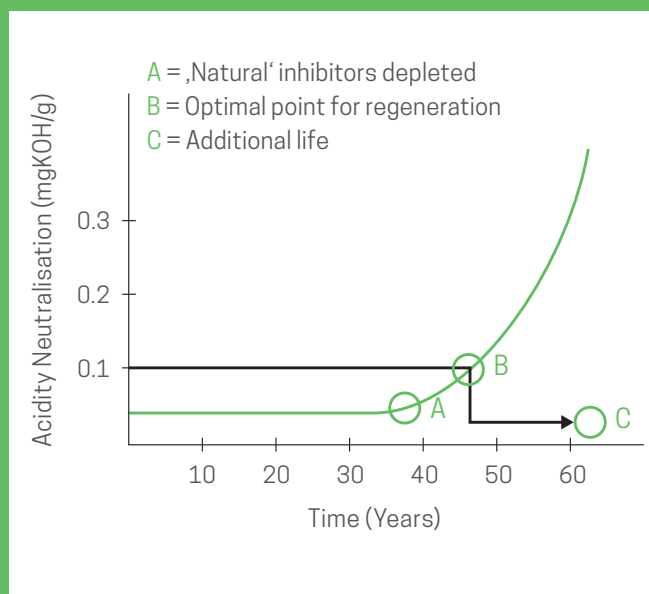


BATCH PRODUCTION
EPOCH GRADE 3512
CODE NO. TX3
TANK NO. SAMPLE 1
BATCH / WOB NO. 115
QUANTITY
SIGNATURE

Insulating oil condition assessment



Comparison of neutralisation value versus interfacial tension



Acidity over time

Specifications	
Nominal flow rate [l/h]	5,000
Adsorbent material	Bauxite
Oil regenerated per day before reactivation [l]	40,000
Heating [kW]	200
Typical results	
Acidity [mgKOH/g]	< 0.01
Dielectric dissipation factor @ 90 °C	≤ 0.005
Interfacial tension [mN/m]	> 40
Breakdown voltage [kV]	> 70
Water content [mg/kg]	< 10
Elemental sulphurs	Non-detectable
Mercaptans	Non-detectable

About EOS

Electrical Oil Services (EOS) is a Haltermann Carless Group company and a leading supplier of both regenerated and unused electrical insulating oils and associated services in Europe. EOS specialists have '70 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.

With its three locations in Europe EOS is in the position to offer a complete transformer service package to large and small customers in the electricity distribution industry all over Europe.



Electrical Oil Services

www.electricaloilservices.com

Electrical Oil Services Ltd.
Bridges Road, Ellesmere Port
Cheshire CH65 4EQ
Great Britain
+44 (0)845 602 1003
EOS@electricaloilservices.com

Electrical Oil Services GmbH
Oehleckerring 6a
22419 Hamburg
Germany
+49 (0) 40 500 910 850
sales@electricaloilservices.com

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