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Project Name: Transformer Oil Analysis
Sample ID: CULLIROUTE PETROLEUM TRADING
Description: Transformer

Oil Type: Ester Oil

***** CAUTION *** CAUTION *** CAUTION *** CAUTION *** CAUTION *****

Condition: The oil condition is good. The ISO and NAS classification is fair.
Observations:
Actions: Consider more frequent sampling

Analysis Results

				Sample ID: 25031997-003
				Sampling Date:
				Received Date: 14/03/2025
				!
Analysis	Method Code	Units	Accred.	
Acidity	ELE003	mgKOH/g	U	<0.01
Appearance	ELE003	-	N	Clear
Colour	ELE003	-	N	Straw
Fibres	ELE003	Fibres/litre	N	100
Water Content	ELE003	mg/kg	U	42
Dielectric Breakdown	ELE003-I	kV	U	48
ISO Code	MEC023	-	N	19/16/14
NAS 1638	MEC023	-	N	10
>4 µm	MEC023	particles/ml	N	2390
>6 µm	MEC023	particles/ml	N	388
>14 µm	MEC023	particles/ml	N	101
>21 µm	MEC023	particles/ml	N	55.5
>38 µm	MEC023	particles/ml	N	6.60
>70 µm	MEC023	particles/ml	N	0.60

Action Limits

				BS EN 61203:1995	
				Synthetic organic esters	
				NON-CONTAMINATED	CONTAMINATED
Analysis	Method Code	Units	Result		
Acidity	ELE003	mgKOH/g	<0.01	<=2	>2
Appearance	ELE003	-	Clear	Clear	Dark or Turbid
Water Content	ELE003	mg/kg	42	<=400	>400
Dielectric Breakdown	ELE003-I	kV	48	>=30	<30



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