



ADELAIDE LABORATORY
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 MARLESTON SA 5033
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Oil Test Certificate

Date Printed: 3 Sep 2024

Transformer Information

Customer STOWE NSW
Customer Contact Address
 NSW
 Australia Marshalling Service
Site PIC #
Tx Name T10

Customer WO# 00
Tx Serial No 1.0M4124-1
Operating Voltage(Pri/Sec) 3300 / 433
Manufacturer Tyree
Litres 1250
Sample Date 27 Aug 2024
Sample Temp.(C) TNT
Sample Completion Date: 27 Aug 2024

TRANSCARE Reference **24080342**

Dissolved Gas Analysis (ppm)	27 Aug 2024	26 Feb 2020	4 Jan 2019	7 Jan 2018
Oxygen	TNT	11907	29674	16074
Nitrogen	TNT	44177	110893	37574
Carbon Dioxide	TNT	1254	1297	1801
Total Atmospheric	0	57338	141864	55449
Hydrogen	TNT	<10	<10	<10
Methane	TNT	<1	1	<1
Carbon Monoxide	TNT	150	190	237
Ethylene	TNT	7	12	13
Ethane	TNT	<1	<1	<1
Acetylene	TNT	<1	<1	<1
Total Combustibles	0	170	215	263
Total Gas	0	57508	142079	55712

Oil Quality	Unknown	Unknown	Unknown	Unknown
Weather Code	Unknown	Unknown	Unknown	Unknown
Sample Temp.(C)	TNT	25	45	26
Moisture (ppm)	TNT	10	32	24
Acidity (mgKOH/g)	TNT	0.014	<0.01	<0.01
IFT (mN/m)	TNT	39.9	34.7	34.4
Density (g/ml) @ 25C	TNT	0.8678	0.8680	0.8689
Breakdown Voltage (kV)	TNT	78.2	29.7	67.8
DDF @ 90C (tan delta radians %)	TNT	1.642	2.501	TNT
Resistivity @ 90C (Gohm.m)	TNT	21.21	11.3	TNT
Inhibitor Content %w/w DBPC	TNT	0.15	0.13	0.13
Colour	TNT	L2.0	L2.0	1.0

PCB LEVEL (ppm)	<2	TNT	TNT	TNT
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Furan Analysis (ppm)	TNT	TNT	TNT	TNT
5H2F	TNT	TNT	TNT	TNT
2FOL	TNT	TNT	TNT	TNT
2FAL	TNT	TNT	TNT	TNT
2ACF	TNT	TNT	TNT	TNT
5M2F	TNT	TNT	TNT	TNT
Total Furans	TNT	TNT	TNT	TNT

To obtain an endorsed certificate contact issuing laboratory. NATA Accreditation Number 11727
 Methods: PCB - TM160, DGA - TM161, Water Content - TM162, Breakdown Voltage - TM163, DDF/Resistivity - TM164, IFT - TM165, Acidity - TM166, Density - TM167, Furans - TM168, Inhibitor - TM169