



OIL ANALYSIS REPORT

Sample Rating Trend

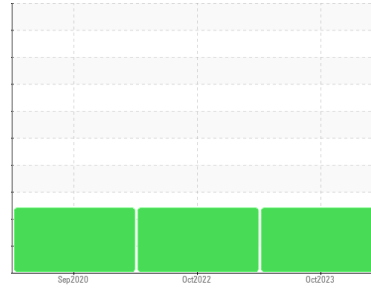
COMBUSTION



Machine Id
Pioneer GEN3TRANSFORMER (S/N 616458-3)

Component
Transformer Oil

Fluid
TRANSFORMER MINERAL API II (2260 LTR)



DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition. No other corrective action is recommended at this time. Diagnostician`s Note: Syringe only received, no sample bottle received so standard testing (IFT, acidity, dielectric, power factor) could not be tested.

Wear

{not applicable}

Contamination

Carbon Monoxide >=350 (0.035%), Carbon Dioxide >=2500 (0.25%): Thermal decomposition of cellulose.

Fluid Condition

The condition of the transformer oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0850748	WC0752824	WC0500724
Sample Date	Client Info	24 Oct 2023	31 Oct 2022	25 Sep 2020
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	MARGINAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.0035	NEG	NEG	NEG

DISSOLVED GAS ANALYSIS (DGA)

method	limit/base	current	history1	history2
DGA - H2	ppm	4	3	4
DGA - O2	ppm	10465	8590	14349
DGA - N2	ppm	68033	53740	79767
DGA - CO	ppm	▲ 650	▲ 525	▲ 598
DGA - CO2	ppm	▲ 4359	▲ 3737	▲ 3961
DGA - Methane	ppm	9	7	8
DGA - Acetylene	ppm	0	0	0
DGA - Ethylene	ppm	8	0	6
DGA - Ethane	ppm	1	1	1
DGA - Total Gas Content	%	83529	66603	98694
DGA - Total Combustible Gas	ppm	672	536	617

VISUAL

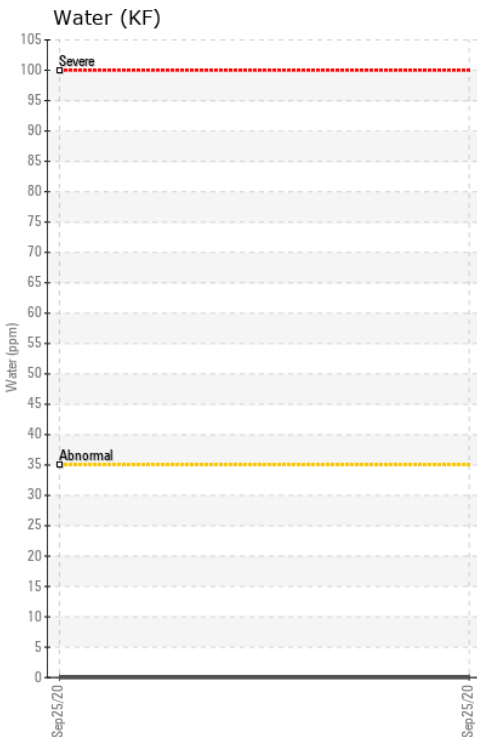
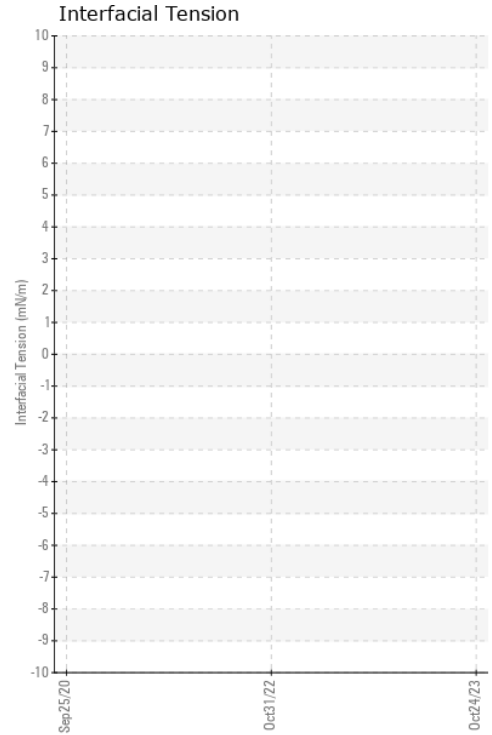
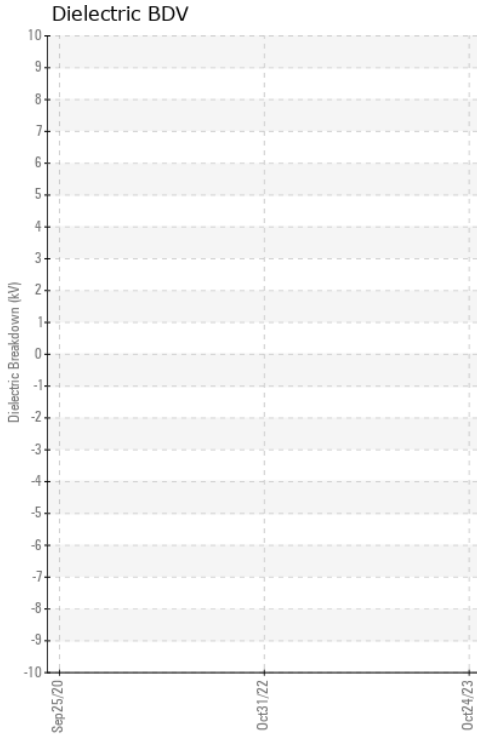
method	limit/base	current	history1	history2		
White Metal	scalar	Visual*	NONE	---	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	---	NONE	NONE
Precipitate	scalar	Visual*	NONE	---	NONE	NONE
Silt	scalar	Visual*	NONE	---	NONE	NONE
Debris	scalar	Visual*	NONE	---	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	---	NONE	NONE
Appearance	scalar	Visual*	NORML	---	NORML	NORML
Odor	scalar	Visual*	NORML	---	NORML	NORML

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		<i>no image</i>		
Bottom		<i>no image</i>		

OIL ANALYSIS REPORT

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0850748 **Received** : 30 Oct 2023
Lab Number : **02592857** **Diagnosed** : 21 Nov 2023
Unique Number : 5669936 **Diagnostician** : Bill Quesnel
Test Package : TEST (Additional Tests: DGA)

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 NEPEAN, ON
 CA K2G 0G2
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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.