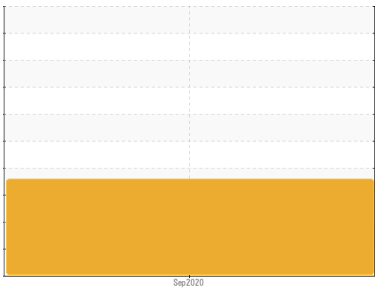
OIL ANALYSIS REPORT

Sample Rating Trend



COMBUSTION

Area
2GS
Machine Id
2GS-T2
Component
Transformer Oil
Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

We recommend that you check the operating temperatures of the transformer. We recommend an early resample to monitor this condition.

Contamination

Ethylene >=50 (0.005%): Overload, operating hot, or localized overheating. Carbon Monoxide >=350 (0.035%), Carbon Dioxide >=2500 (0.25%): General conductor overheating.

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		**WC0475694**	---	---
Sample Date		Client Info		**21 Sep 2020**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**ABNORMAL**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Water	%	ASTM D6304*		**0.001**	---	---
ppm Water	ppm	ASTM D6304*		**0**	---	---

DISSOLVED GAS ANALYSIS (DGA)		method	limit/base	current	history1	history2
DGA - H2	ppm	ASTM D3612(e)*		**12**	---	---
DGA - O2	ppm	ASTM D3612(e)*		**16632**	---	---
DGA - N2	ppm	ASTM D3612(e)*		**70483**	---	---
DGA - CO	ppm	ASTM D3612(e)*		▲ **508**	---	---
DGA - CO2	ppm	ASTM D3612(e)*		▲ **4473**	---	---
DGA - Methane	ppm	ASTM D3612(e)*		**4**	---	---
DGA - Acetylene	ppm	ASTM D3612(e)*		**0**	---	---
DGA - Ethylene	ppm	ASTM D3612(e)*		▲ **56**	---	---
DGA - Ethane	ppm	ASTM D3612(e)*		**1**	---	---
DGA - Total Gas Content	%	ASTM D3612(e)*		**92169**	---	---
DGA - Total Combustible Gas	ppm	ASTM D3612(e)*		**581**	---	---

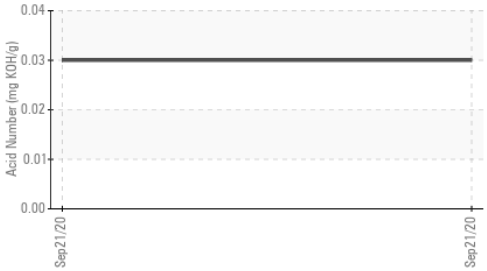
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		**0.03**	---	---

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

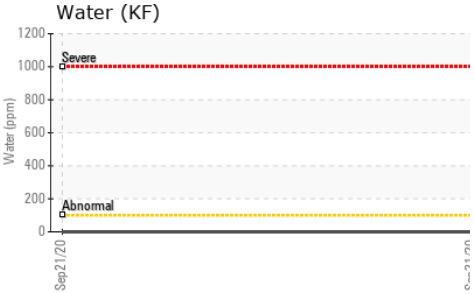
FLUID PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D4052(e)		**0.865**	---	---
Dielectric Breakdown	kV	ASTM D3612(e)*		**55**	---	---
Interfacial Tension	mN/m	ASTM D971(e)*		**34.82**	---	---
ASTM Color	scalar	ASTM D1500(e)		**2.0**	---	---

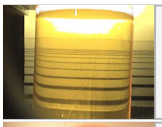
OIL ANALYSIS REPORT

Acid Number



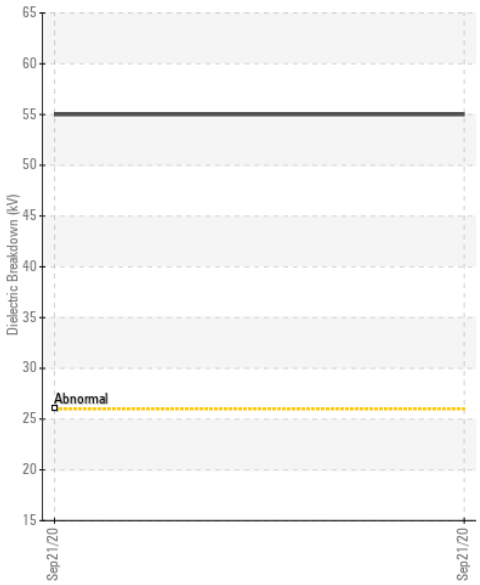
Water (KF)



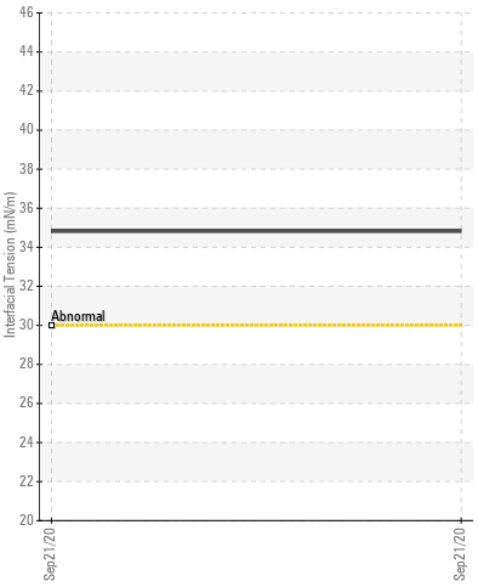
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS

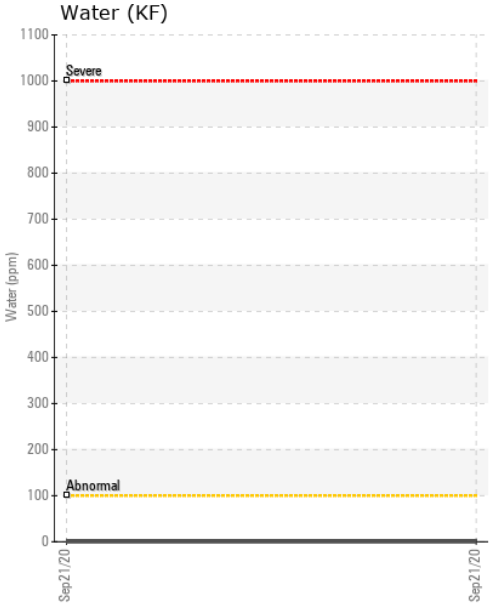
Dielectric BDV



Interfacial Tension



Water (KF)



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0475694
Lab Number : 02377159
Unique Number : 5108612
Test Package : TRF 2

Received : 22 Sep 2020
Tested : 23 Sep 2020
Diagnosed : 13 Oct 2020 - Bill Quesnel

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.

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