PROBLEM SUMMARY

Sample Rating Trend

DEGRADATION

Machine Id
NORTHERN GS1-T2
Component
Transformer Oil
Fluid
MIDEZ 1204 (4966 LTR)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend an early resample to monitor this condition. No other corrective action is recommended at this time. NOTE: No sample syringe was received so Dissolved Gas Analysis (DGA) could not be carried out.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	---	---
Interfacial Tension	mN/m	ASTM D971(e)*		▲ **27.26**	---	---

Customer Id: ENE271OTT
Sample No.: WC0475700
Lab Number: 02375365
Test Package: TRF 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Bill Quesnel CLS,OMA II,MLA-III,LLA-I +1 (289)291-4641 x4641
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To change component or sample information:
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gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

Machine Id
NORTHERN GS1-T2
Component
Transformer Oil
Fluid
MIDEZ 1204 (4966 LTR)

DIAGNOSIS

▲ Recommendation

We recommend an early resample to monitor this condition. No other corrective action is recommended at this time. NOTE: No sample syringe was received so Dissolved Gas Analysis (DGA) could not be carried out.

Wear

{not applicable}

Contamination

There is no indication of any contamination in the transformer oil.

▲ Fluid Condition

The Interfacial Tension (ASTM D971) is low at 27.26 dynes/cm.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0475700**	---	---
Sample Date		Client Info		**04 Sep 2020**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**ABNORMAL**	---	---

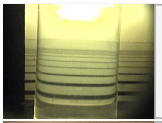
CONTAMINANTS		method	limit/base	current	history1	history2
Water	%	ASTM D6304*		**0.007**	---	---
ppm Water	ppm	ASTM D6304*		**0**	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	**1373**	---	---
Particles >6µm		ASTM D7647	>1300	**535**	---	---
Particles >14µm		ASTM D7647	>160	**44**	---	---
Particles >21µm		ASTM D7647	>40	**14**	---	---
Particles >38µm		ASTM D7647	>10	**1**	---	---
Particles >71µm		ASTM D7647	>3	**0**	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	**18/16/13**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		**0.06**	---	---

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**	---	---

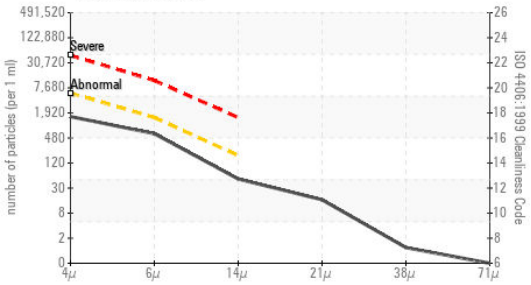
FLUID PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D4052(e)		**0.928**	---	---
Dielectric Breakdown	kV	ASTM D3612(e)*		**68**	---	---
Interfacial Tension	mN/m	ASTM D971(e)*		**▲ 27.26**	---	---
ASTM Color	scalar	ASTM D1500(e)		**0.5**	---	---

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

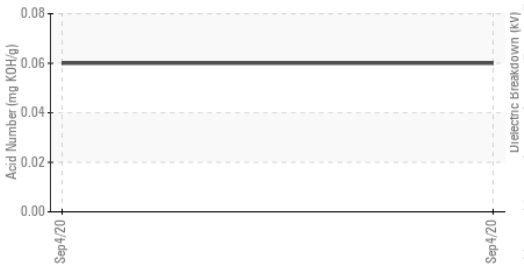
OIL ANALYSIS REPORT

GRAPHS

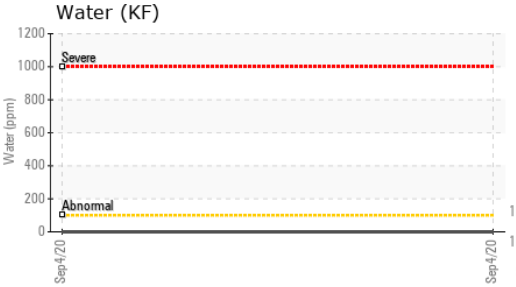
Particle Count



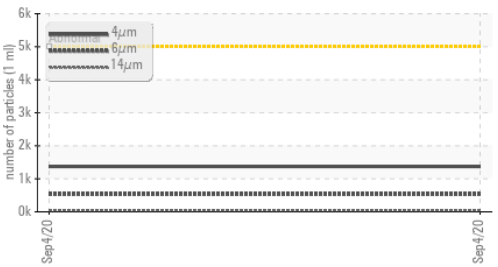
Acid Number



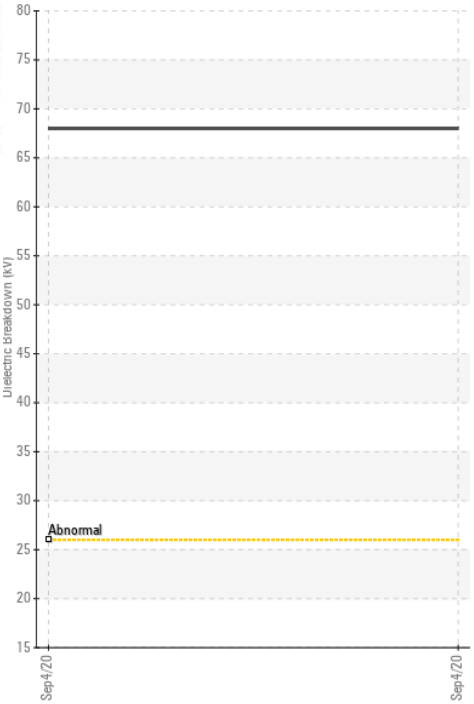
Water (KF)



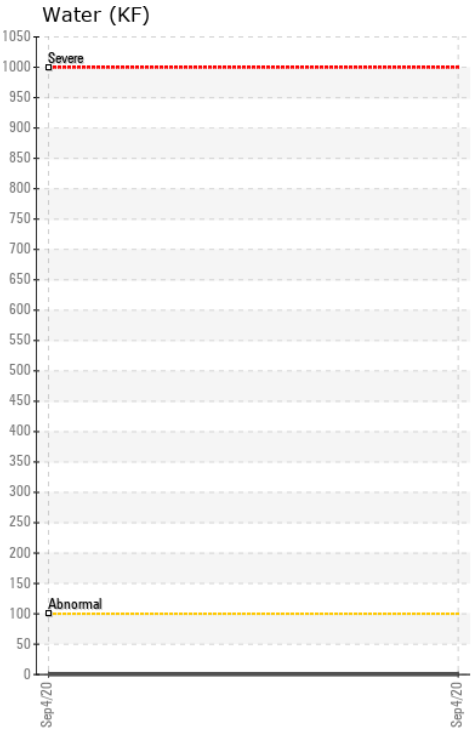
Particle Trend



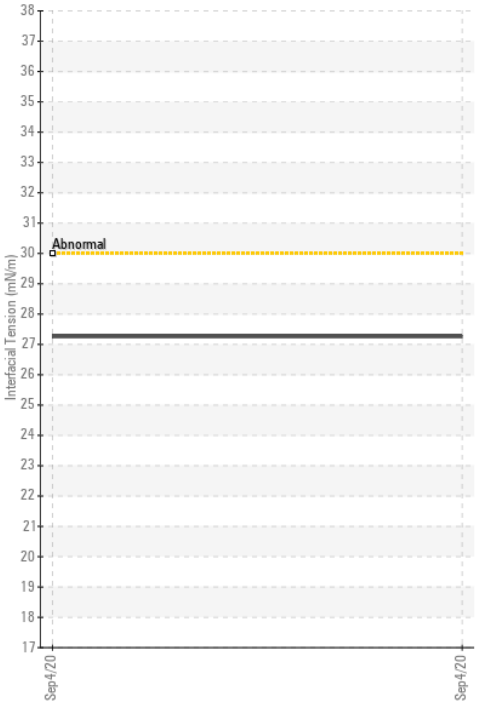
Dielectric BDV



Water (KF)



Interfacial Tension



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Chaudiere Hydro LP - Energy Ottawa**
Sample No. : WC0475700 **Received** : 11 Sep 2020 4 Booth Street
Lab Number : 02375365 **Diagnosed** : 13 Oct 2020 Ottawa, ON
Unique Number : 5098813 **Diagnostician** : Bill Quesnel CA K1R 6K8
Test Package : TRF 2 (Additional Tests: PrtCount) Contact: Cheryl Gharib

To discuss this sample report, contact Customer Service at 1-800-268-2131. info@portagepower.com
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T:
Validity of results and interpretation are based on the sample and information as supplied. F: x: