



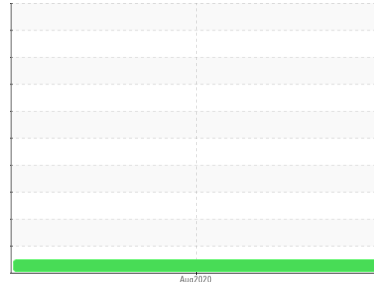
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**USL T1 Station Service Transformer Oil (S/N T.60548)**  
 Component  
**Transformer Oil**  
 Fluid  
**NOT GIVEN (4327 LTR)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the transformer oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0475724</b>	---	---
Sample Date	Client Info	<b>27 Aug 2020</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2	
Water	% ASTM D6304*	>0.0035	<b>0.001</b>	---	---
ppm Water	ppm ASTM D6304*	>35	<b>0</b>	---	---

## FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>5000	<b>756</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>286</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>40</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>10</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>0</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>17/15/12</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g ASTM D974*		<b>0.02</b>	---	---

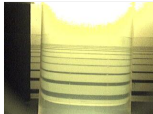

## VISUAL

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

## FLUID PROPERTIES

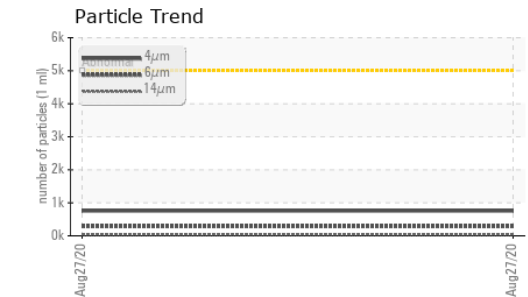
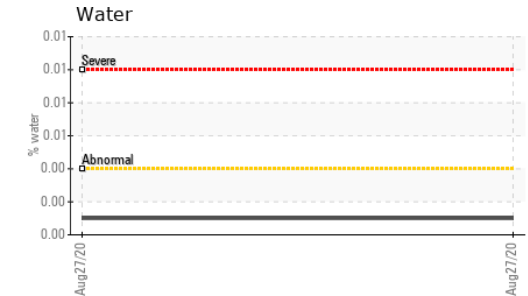
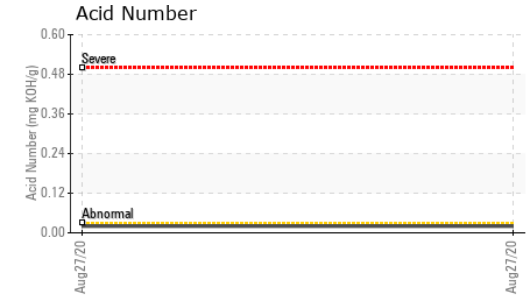
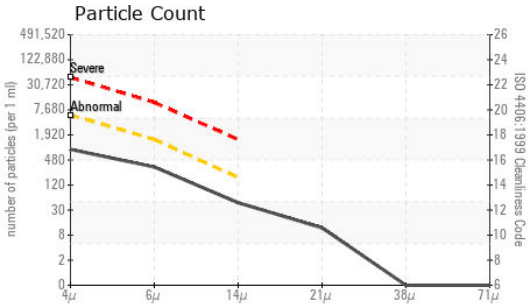
method	limit/base	current	history1	history2	
Specific Gravity	ASTM D4052(e)		<b>0.860</b>	---	---
Dielectric Breakdown	kV ASTM D3612(e)*		<b>48</b>	---	---
Interfacial Tension	mN/m ASTM D971(e)*		<b>32.36</b>	---	---
ASTM Color	scalar ASTM D1500(e)		<b>&gt;0.5</b>	---	---

## SAMPLE IMAGES

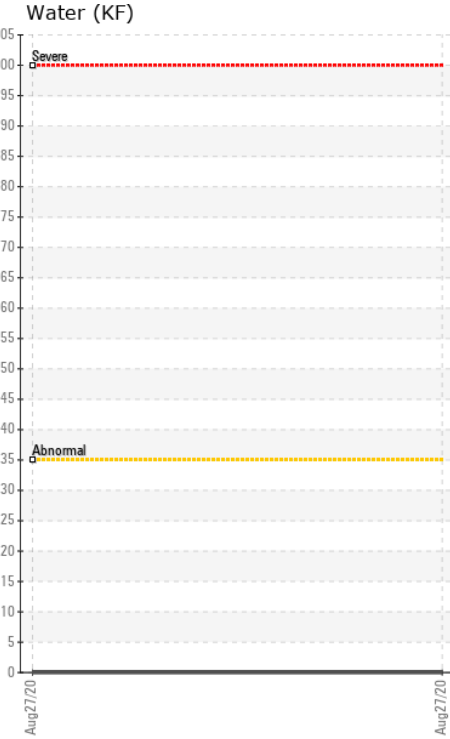
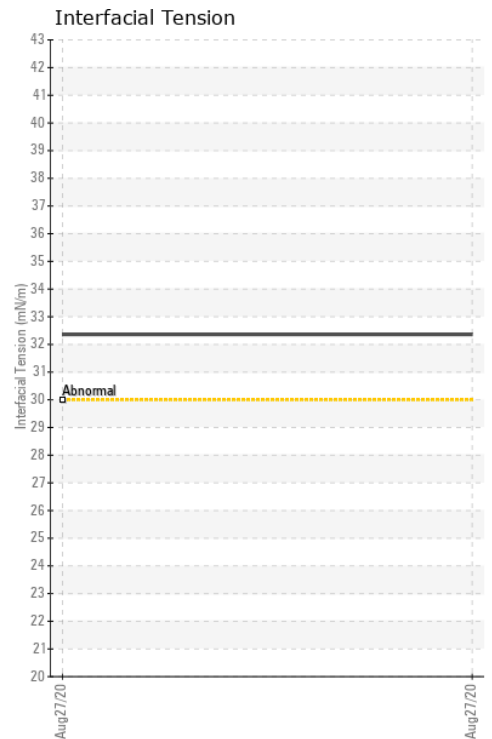
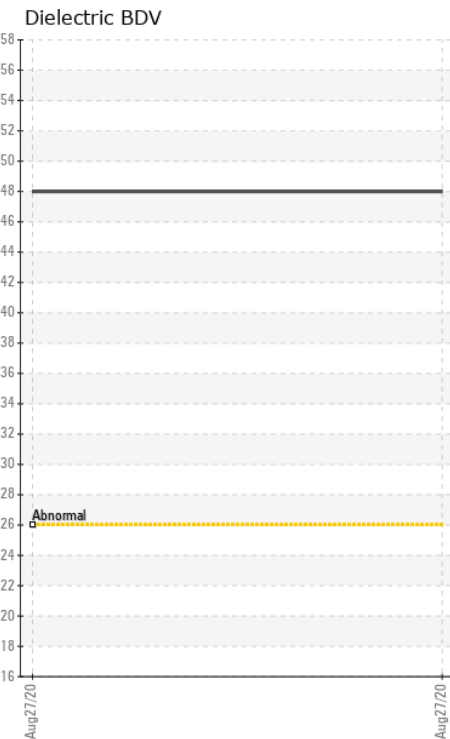
method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image



# OIL ANALYSIS REPORT



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 NEWFOUNDLAND & LABRADOR HYDRO  
**Sample No.** : WC0475724 **Received** : 25 Nov 2020 BAY D'ESPOIR WHSE., 1 CAMP BOGGY RD., PO BOX 100  
**Lab Number** : 02389633 **Diagnosed** : 15 Dec 2020 MILLTOWN, BAY D'ESPOIR, NL  
**Unique Number** : 5137090 **Diagnostician** : Bill Quesnel CA A0H 1W0  
**Test Package** : TRF 1 ( Additional Tests: PrtCount )

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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