



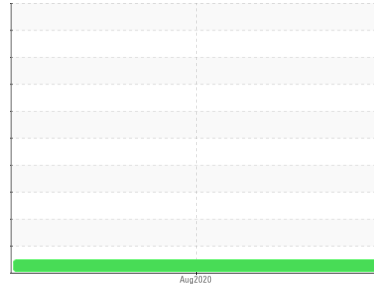
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
CAT Arm SST2 transformer Oil (S/N L0111-2)
 Component
Transformer Oil
 Fluid
NOT GIVEN (1848 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		WC0380009	---	---
Sample Date	Client Info		19 Aug 2020	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			NORMAL	---	---

CONTAMINANTS

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

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	4219	---	---
Particles >6µm	ASTM D7647	>1300	989	---	---
Particles >14µm	ASTM D7647	>160	86	---	---
Particles >21µm	ASTM D7647	>40	27	---	---
Particles >38µm	ASTM D7647	>10	3	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/17/14	---	---

FLUID DEGRADATION

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

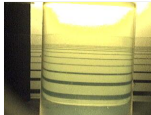

VISUAL

	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

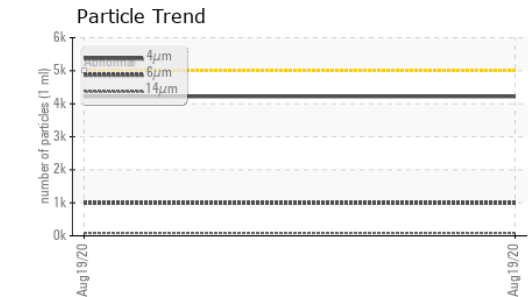
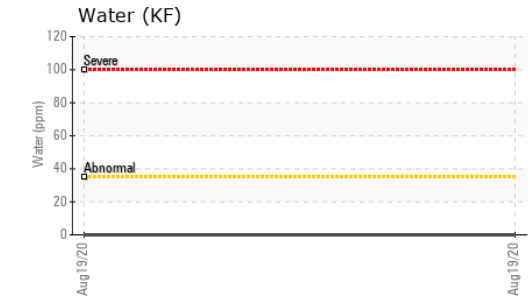
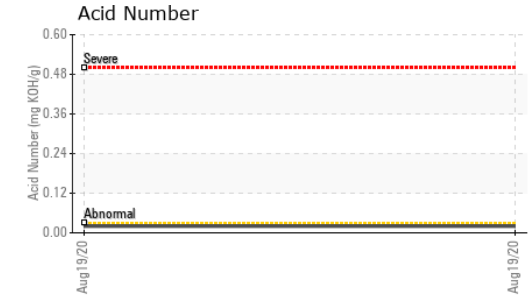
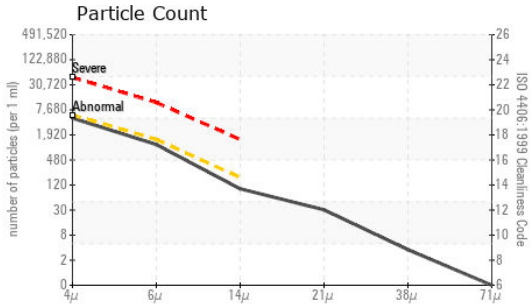
	method	limit/base	current	history1	history2
Specific Gravity	ASTM D4052(e)		0.863	---	---
Dielectric Breakdown	kV	ASTM D3612(e)*		54	---
Interfacial Tension	mN/m	ASTM D971(e)*		33.58	---
ASTM Color	scalar	ASTM D1500(e)		<1.0	---

SAMPLE IMAGES

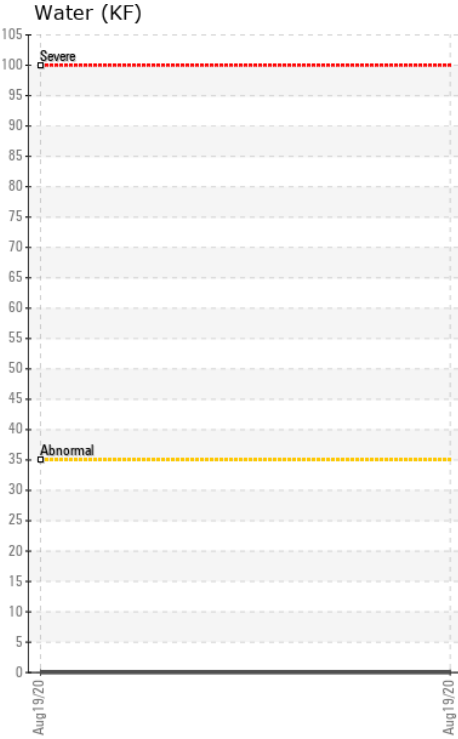
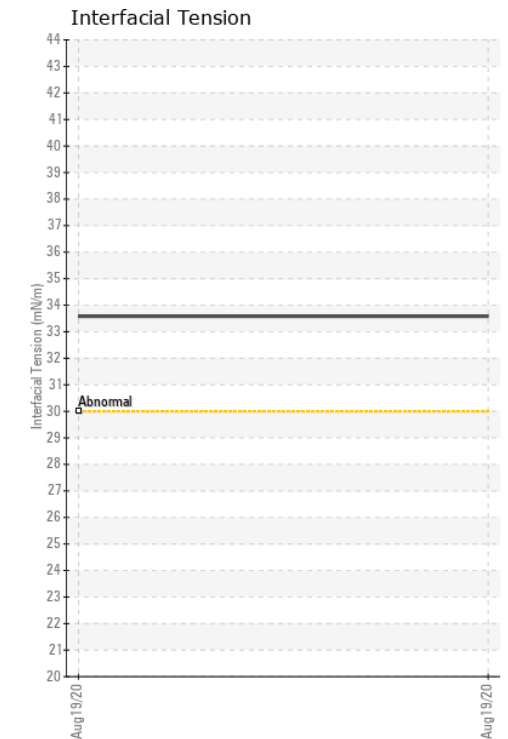
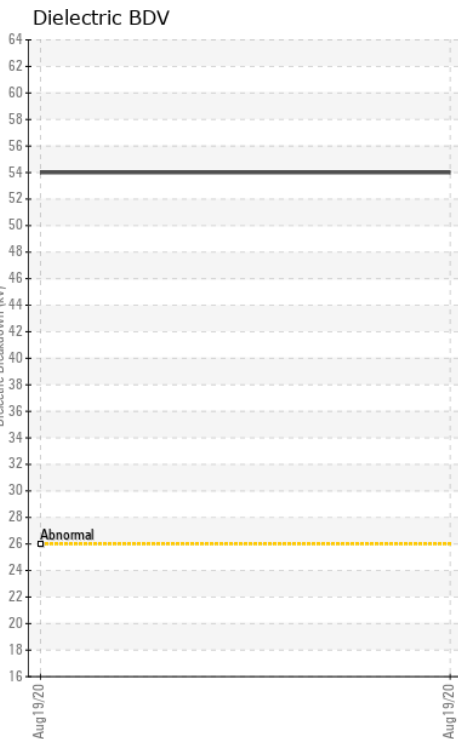
	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image



OIL ANALYSIS REPORT



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 NEWFOUNDLAND & LABRADOR HYDRO
Sample No. : WC0380009 **Received** : 25 Nov 2020 BAY D'ESPOIR WHSE., 1 CAMP BOGGY RD., PO BOX 100
Lab Number : 02389637 **Diagnosed** : 15 Dec 2020 MILLTOWN, BAY D'ESPOIR, NL
Unique Number : 5137094 **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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