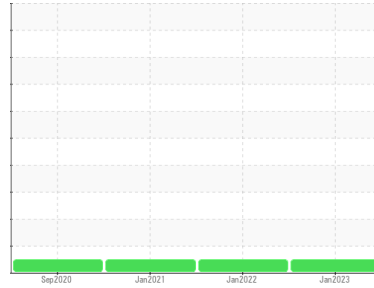




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
SS3 BDE (S/N 1085443)
 Component
Transformer Oil
 Fluid
TRANSFORMER MINERAL API I (312 GAL)

DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition.

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 above the recommended limit.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0645948	WC0645948	WC0380017
Sample Date	Client Info			11 Jan 2023	14 Jan 2022	25 Jan 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

CONTAMINANTS		method	limit/base	current	history1	history2
Water	%	ASTM D6304*	>0.0035	0.002	---	0.002
ppm Water	ppm	ASTM D6304*	>35	19.8	---	0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2793	---	1135
Particles >6µm		ASTM D7647	>1300	567	---	380
Particles >14µm		ASTM D7647	>160	30	---	54
Particles >21µm		ASTM D7647	>40	9	---	17
Particles >38µm		ASTM D7647	>10	0	---	1
Particles >71µm		ASTM D7647	>3	0	---	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12	---	17/16/13

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.01	0.06	---	0.03

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

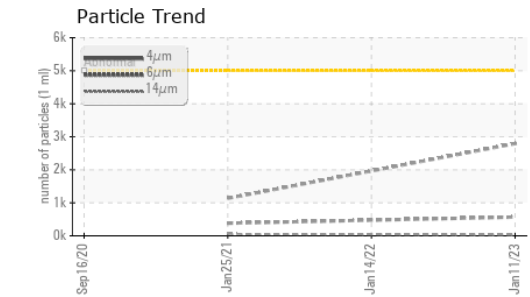
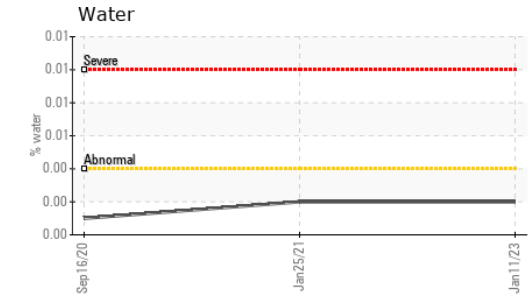
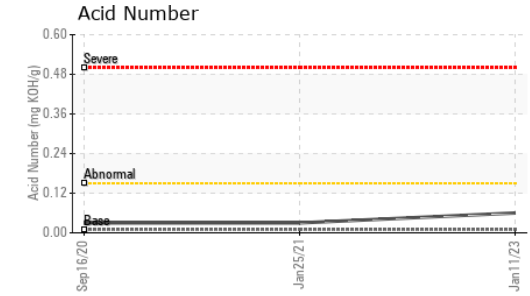
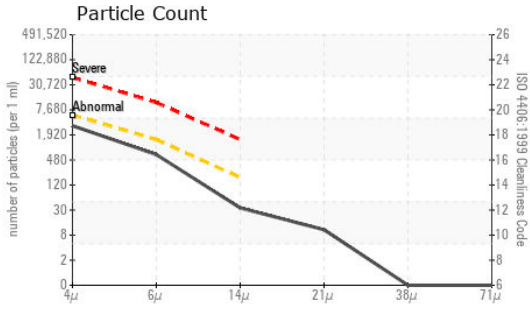
FLUID PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D4052(e)	0.865	0.862	---	0.860
Dielectric Breakdown	kV	ASTM D3612(e)*		56	---	58
Interfacial Tension	mN/m	ASTM D971(e)*		30.78	---	29.14
ASTM Color	scalar	ASTM D1500(e)	<1.0	<1.5	---	<1.5

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

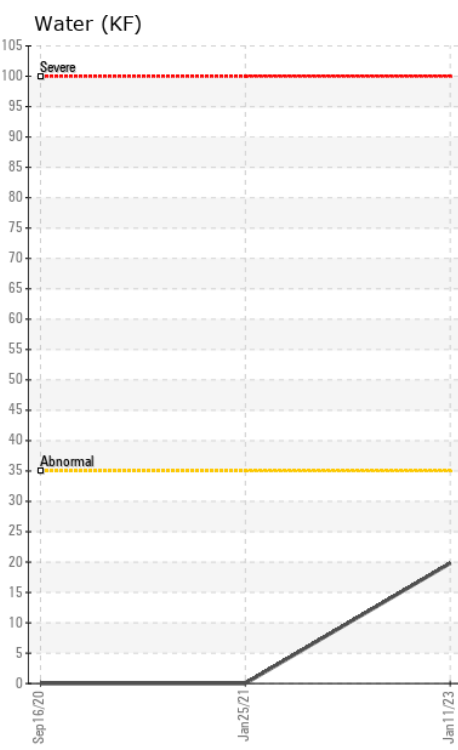
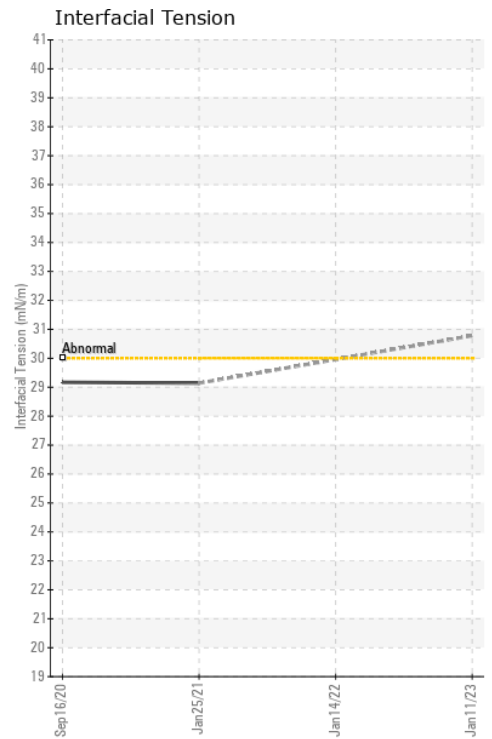
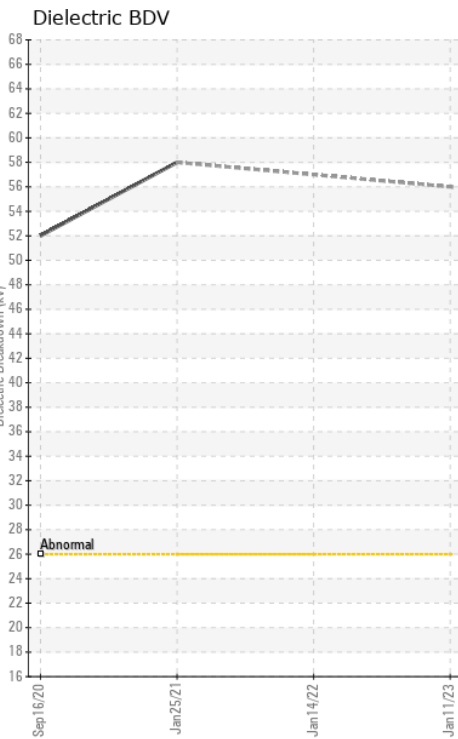




OIL ANALYSIS REPORT



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 NEWFOUNDLAND & LABRADOR HYDRO
Sample No. : WC0645948 **Received** : 26 May 2023
Lab Number : 02560010 **Diagnosed** : 13 Jul 2023
Unique Number : 5581050 **Diagnostician** : Bill Quesnel
Test Package : TRF 1 (Additional Tests: PrtCount)

BAY D'ESPOIR WHSE., 1 CAMP BOGGY RD., PO BOX 100
 MILLTOWN, BAY D'ESPOIR, NL
 CA A0H 1W0
 Contact: Matthew Lambert
 matthewlambert@nlh.nl.ca
 T: (709)882-3126
 F: (709)882-3161

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.