



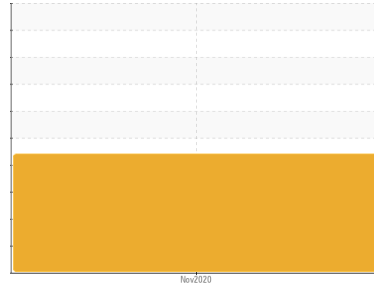
PROBLEM SUMMARY

Sample Rating Trend

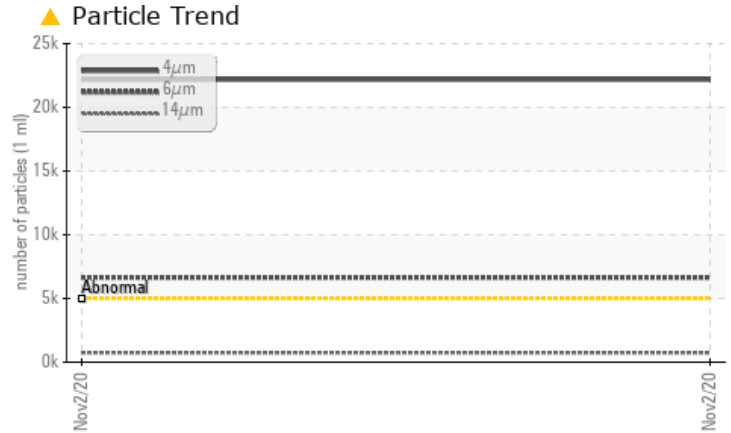
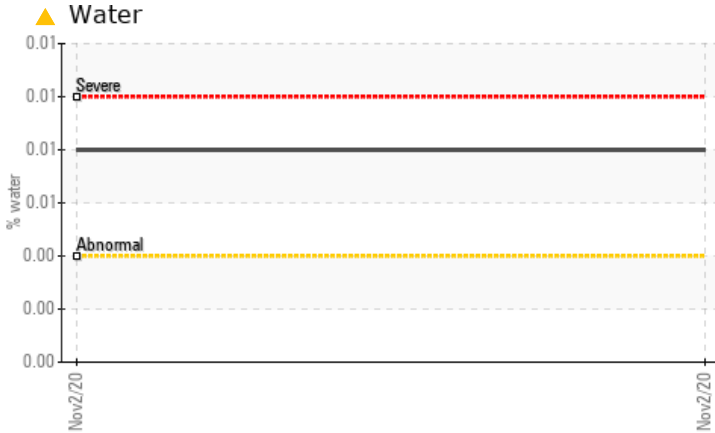
WATER



Machine Id
BDE Unit 4 Excitation Transformer Oil (S/N BX00003-004)
 Component
Transformer Oil
 Fluid
NATURAL ESTER FLUID (1620 LTR)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this transformer oil. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Water	%	ASTM D6304*	>0.0035	▲ 0.008	---	---
ppm Water	ppm	ASTM D6304*	>35	▲ 80	---	---
Particles >4µm		ASTM D7647	>5000	▲ 22181	---	---
Particles >6µm		ASTM D7647	>1300	▲ 6641	---	---
Particles >14µm		ASTM D7647	>160	▲ 737	---	---
Particles >21µm		ASTM D7647	>40	▲ 276	---	---
Particles >38µm		ASTM D7647	>10	▲ 43	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 22/20/17	---	---
Interfacial Tension	mN/m	ASTM D971(e)*		▲ 12.88	---	---

Customer Id: NEWMIL
 Sample No.: WC0380011
 Lab Number: 02389639
 Test Package: TRF 1



To manage this report scan the QR code

To discuss the diagnosis or test data:
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Bill.Quesnel@wearcheck.com

To change component or sample information:
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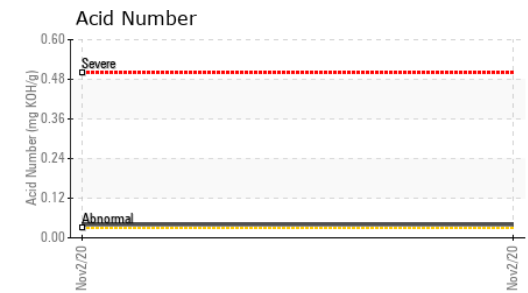
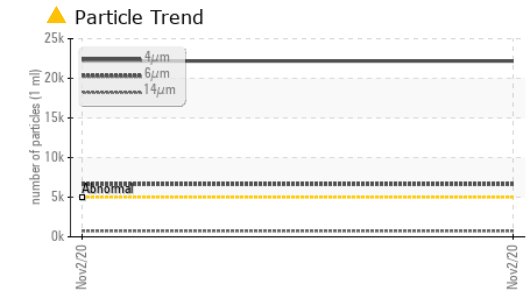
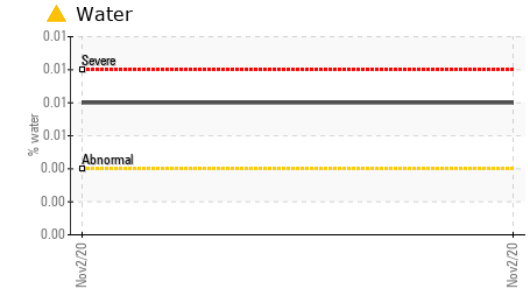
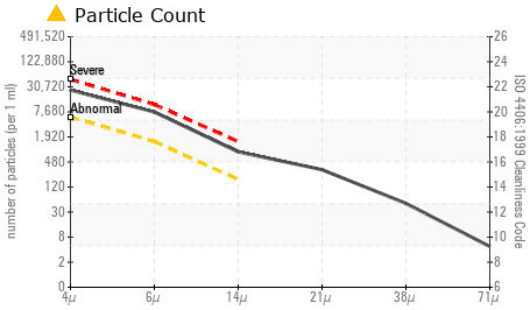
RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Breathers	---	---	?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.
Filter Fluid	---	---	?	We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this transformer oil.

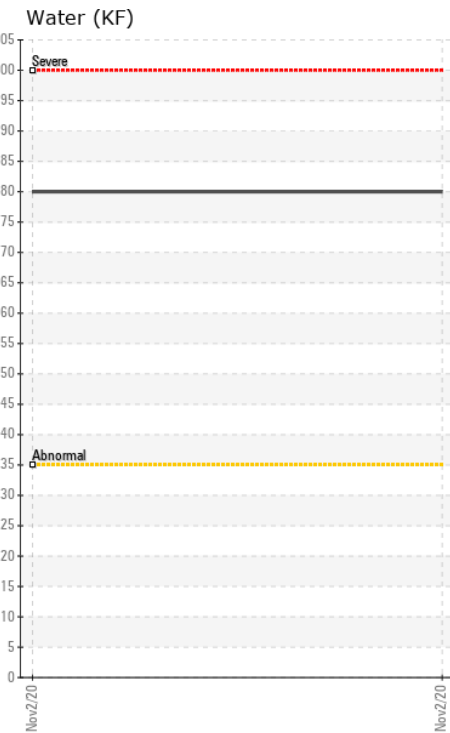
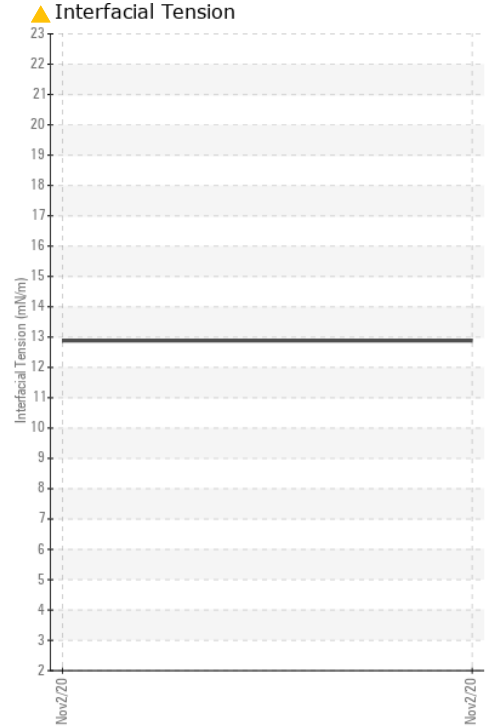
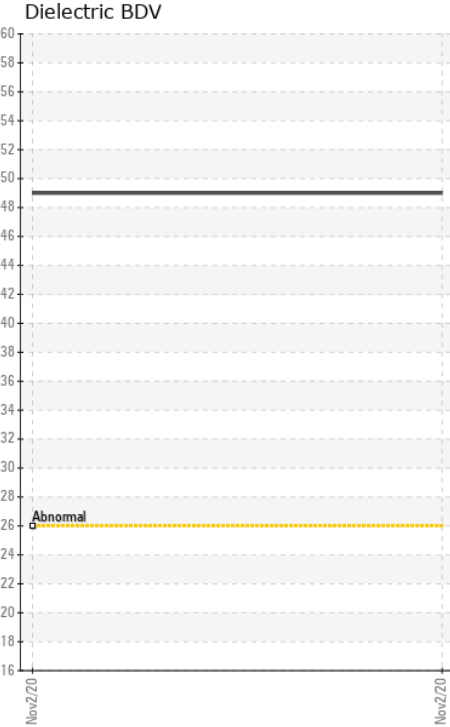
HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT



GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 NEWFOUNDLAND & LABRADOR HYDRO
Sample No. : WC0380011 **Received** : 25 Nov 2020
Lab Number : 02389639 **Diagnosed** : 15 Dec 2020
Unique Number : 5137096 **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

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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