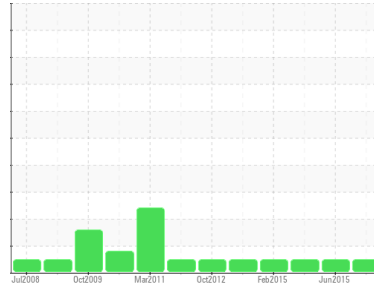




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
BDE - PH1 COMPRESSOR #2 (S/N 270048)

Component
Compressor
Fluid
COMPRO XL-S 100 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0682558	WC904479	WC892854
Sample Date	Client Info		04 Jan 2023	28 Jun 2015	24 Feb 2015
Machine Age	hrs	Client Info	9757	0	0
Oil Age	hrs	Client Info	9757	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	57	14
Iron	ppm	ASTM D5185(m) >50	13	55	4
Chromium	ppm	ASTM D5185(m) >10	<1	2	0
Nickel	ppm	ASTM D5185(m)	0	0	0
Titanium	ppm	ASTM D5185(m)	0	<1	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >25	0	<1	0
Lead	ppm	ASTM D5185(m) >25	<1	0	<1
Copper	ppm	ASTM D5185(m) >50	16	4	14
Tin	ppm	ASTM D5185(m) >15	<1	0	0
Antimony	ppm	ASTM D5185(m)	<1	0	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	0	<1
Barium	ppm	ASTM D5185(m) 40	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0
Manganese	ppm	ASTM D5185(m)	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	0	0
Calcium	ppm	ASTM D5185(m) 40	0	<1	1
Phosphorus	ppm	ASTM D5185(m) 320	13	238	11
Zinc	ppm	ASTM D5185(m) 40	3	1	2
Sulfur	ppm	ASTM D5185(m) 3000	2963	1637	2982
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

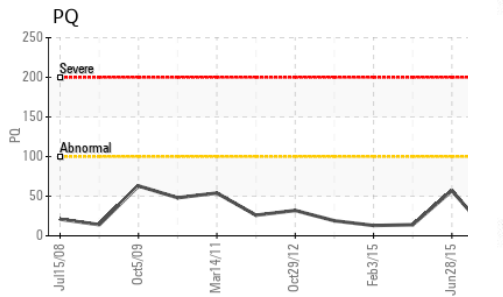
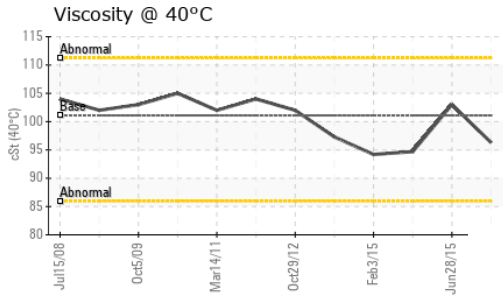
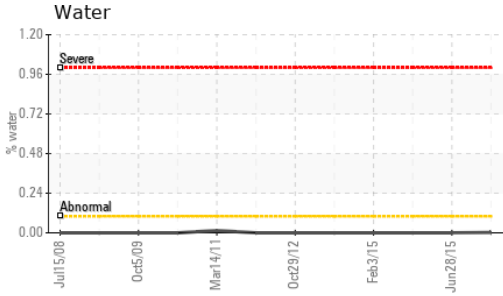
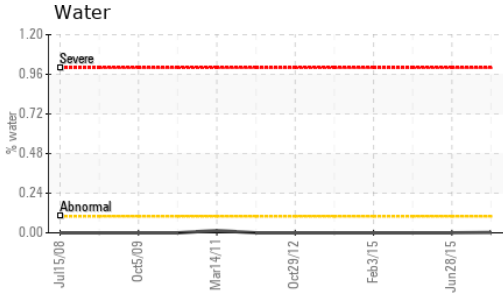
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<1	2	<1
Sodium	ppm	ASTM D5185(m)	<1	<1	0
Potassium	ppm	ASTM D5185(m) >20	<1	0	0
Water	%	ASTM D6304* >0.1	0.002	---	---
ppm Water	ppm	ASTM D6304* >1000	17.5	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.11	0.12	0.09	0.11



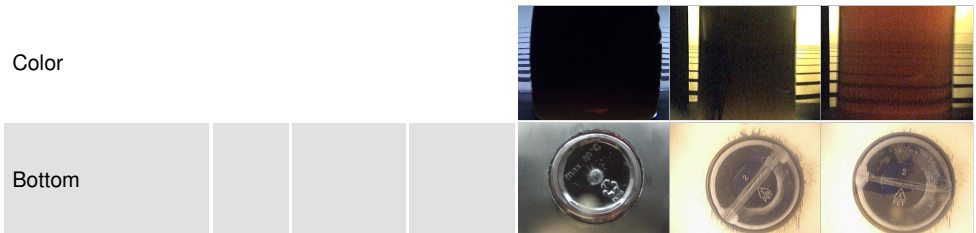
OIL ANALYSIS REPORT



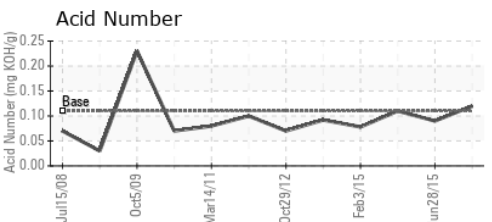
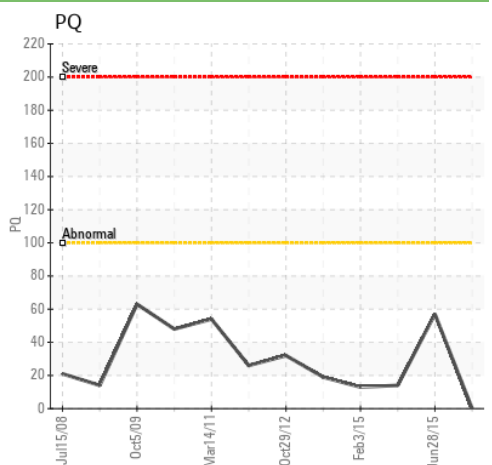
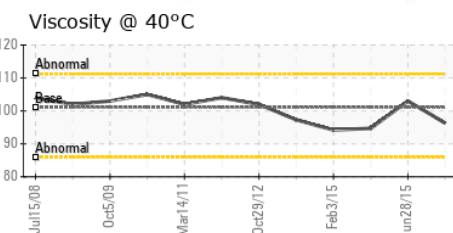
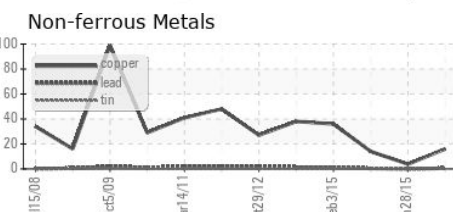
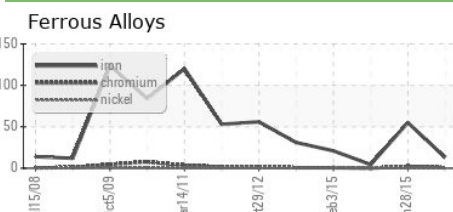
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	LIGHT
Debris	scalar	Visual*	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	101.1	96.3	103

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 NEWFOUNDLAND & LABRADOR HYDRO
Sample No. : WC0682558 **Received** : 30 Jan 2023
Lab Number : 02536310 **Diagnosed** : 01 Feb 2023
Unique Number : 5525310 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: KF, TAN Man)
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