



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
ESTRUCTURE [154147]
Machine Id
FIRE PUMP
Component
Coolant
Fluid
EXTENDED LIFE COOLANT (--- GAL)

RECOMMENDATION

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0022731	CU0021420	CU0020079
Sample Date		Client Info		21 Mar 2024	14 Aug 2023	25 Nov 2022
Machine Age	hrs	Client Info		180	0	155
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL

CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D5185(m)	>15	0	2	2
Aluminum	ppm	ASTM D5185(m)	>10	2	0	4
Copper	ppm	ASTM D5185(m)	>10	<1	6	6
Lead	ppm	ASTM D5185(m)	>10	0	6	0
Tin	ppm	ASTM D5185(m)	>10	0	2	0
Silver	ppm	ASTM D5185(m)	>10	0	0	0
Zinc	ppm	ASTM D5185(m)	>10	<1	0	1

CONTAMINANTS

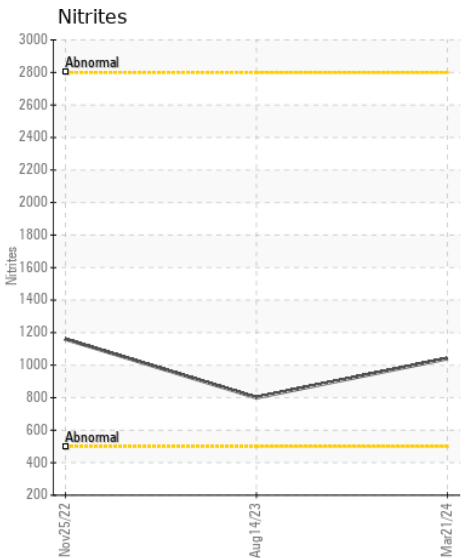
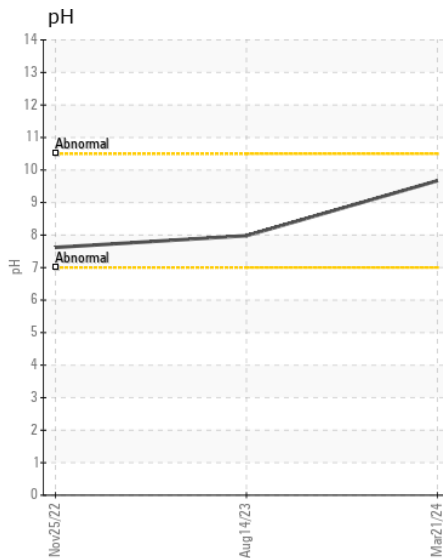
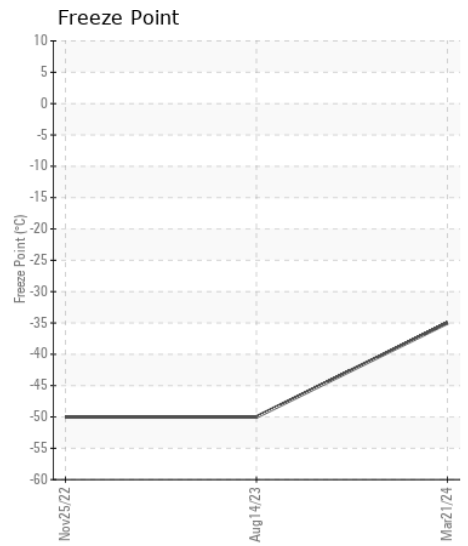
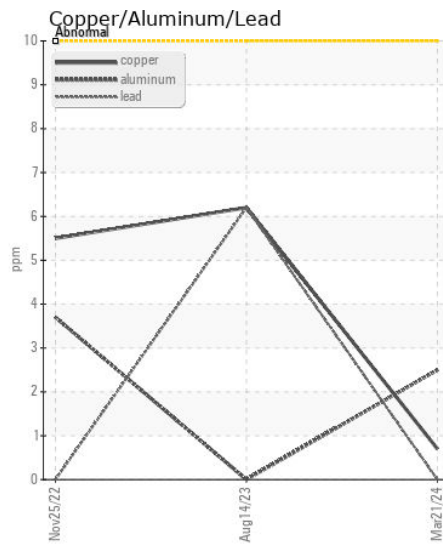
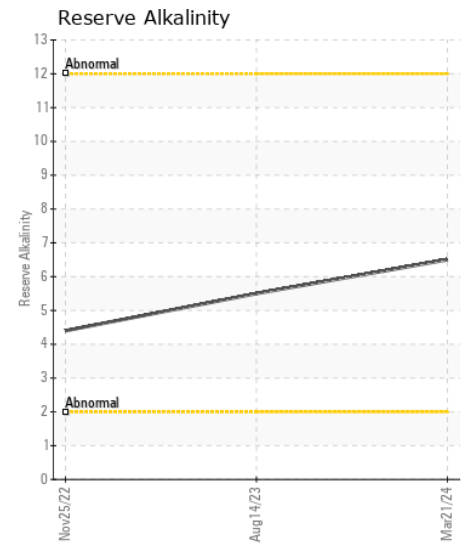
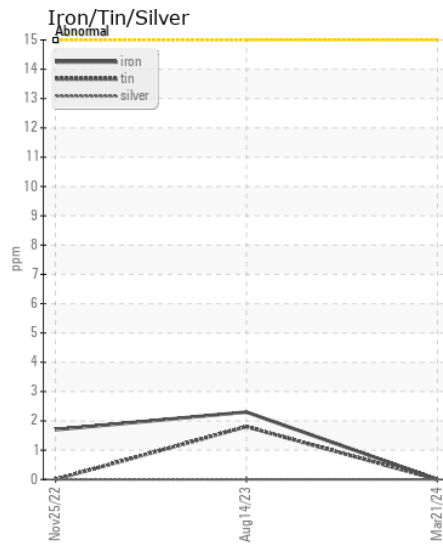
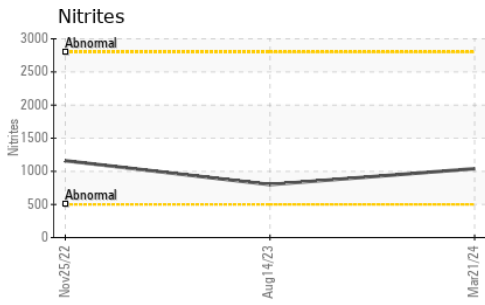
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	1	3	1
Magnesium	ppm	ASTM D5185(m)	>40	<1	0	<1
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	Clear	▲ Cloudy

COOLANT CONDITION

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		107	---	---
Specific Gravity		ASTM D1298*		1.066	1.075	1.076
pH	Scale 0-14	ASTM D1287*	9.0	9.67	7.98	▲ 7.62
Nitrites	ppm	Alcan Test Kit*		1040	800	1160
Reserve Alkalinity	Scale 0-20	ASTM D1121*		6.5	5.5	4.4
Percentage Glycol	%	ASTM D3321*	50	48.9	56.0	56.4
Freezing Point	°C	ASTM D3321*	-40	-35	-50	-50
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		57	84	100
Phosphorus	ppm	ASTM D5185(m)		612	725	915
Boron	ppm	ASTM D5185(m)		221	305	305
Molybdenum	ppm	ASTM D5185(m)		375	438	455
Sodium	ppm	ASTM D5185(m)		913	1281	1499
Potassium	ppm	ASTM D5185(m)		3456	1987	2868
Coolant Color		Visual*	Orange/R	Blue	Green	Green



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0022731 **Received** : 29 Apr 2024
Lab Number : 02632108 **Tested** : 30 Apr 2024
Unique Number : 5773261 **Diagnosed** : 01 May 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

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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.