



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Machine Id
L14-2211 PME Coolant (S/N T2P00702)

Component
Port Coolant

Fluid
CAT EXTENDED LIFE COOLANT (ELC) (125 LTR)

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		WC0821977	WC0821978	WC0484813
Sample Date		Client Info		04 May 2024	04 May 2024	24 Mar 2021
Machine Age	hrs	Client Info		23460	23460	19141
Oil Age	hrs	Client Info		8	8	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	2	<1	2
Aluminum	ppm	ASTM D5185(m)	>10	2	1	5
Copper	ppm	ASTM D5185(m)	>10	<1	1	1
Lead	ppm	ASTM D5185(m)	>10	0	0	1
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Silver	ppm	ASTM D5185(m)	>10	<1	<1	0
Zinc	ppm	ASTM D5185(m)	>10	2	2	2

CONTAMINANTS

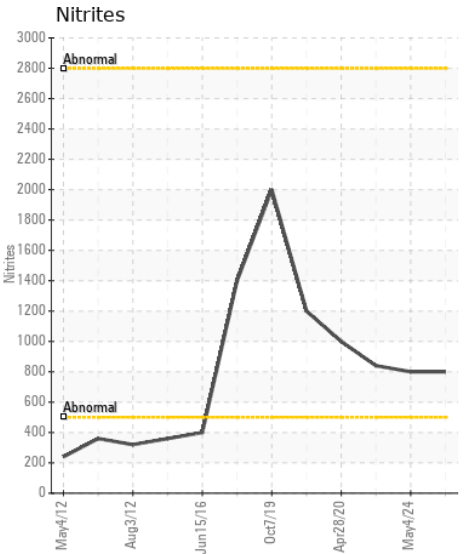
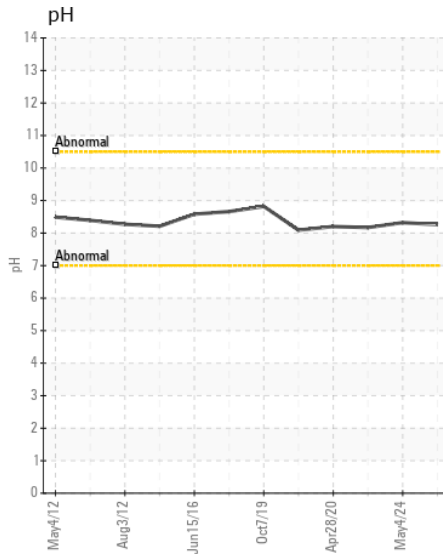
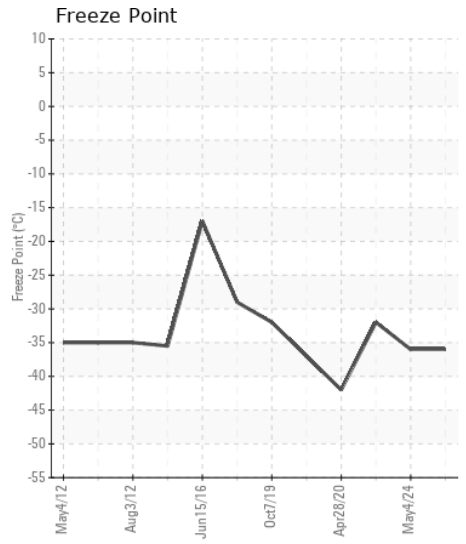
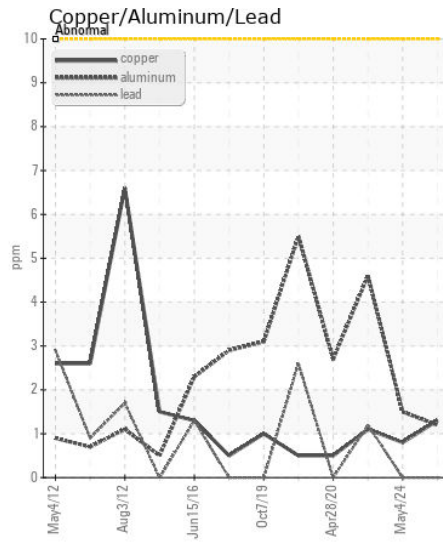
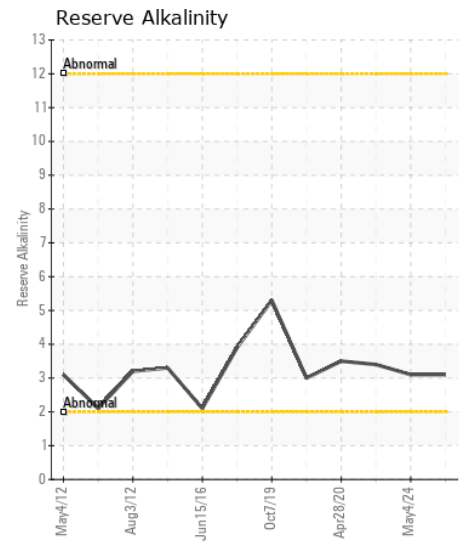
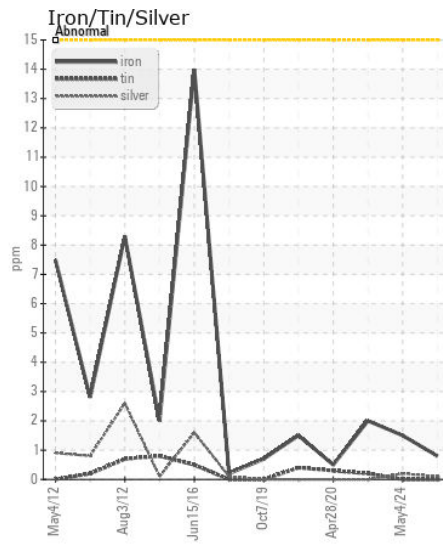
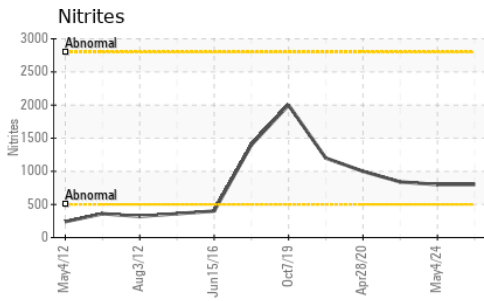
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	5	5	9
Magnesium	ppm	ASTM D5185(m)	>40	1	2	3
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Cloudy	Cloudy	Clear

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	107	---
Specific Gravity		ASTM D1298*	1.070	1.067	1.067	1.063
pH	Scale 0-14	ASTM D1287*	8.3	8.26	8.32	8.17
Nitrites	ppm	Alcan Test Kit*	550	800	800	840
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.5	3.1	3.1	3.4
Percentage Glycol	%	ASTM D3321*	50	49.3	49.2	46.0
Freezing Point	°C	ASTM D3321*	-37	-36	-36	-32
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)	0	12	9	16
Phosphorus	ppm	ASTM D5185(m)	0	10	4	4
Boron	ppm	ASTM D5185(m)	0	4	4	15
Molybdenum	ppm	ASTM D5185(m)	950	577	566	581
Sodium	ppm	ASTM D5185(m)		5663	5539	3430
Potassium	ppm	ASTM D5185(m)		23	31	9
Coolant Color		Visual*	Red	Orange	Orange	Orange



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0821977
Lab Number : 02639723
Unique Number : 5788885
Test Package : COOL (Additional Tests: GlycolType)
Received : 04 Jun 2024
Tested : 04 Jun 2024
Diagnosed : 04 Jun 2024 - Kevin Marson

CANADIAN COAST GUARD
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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.