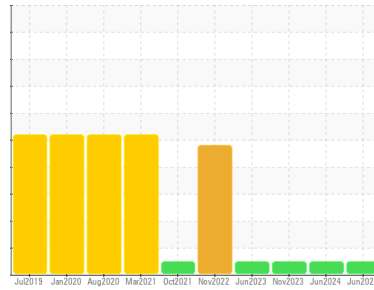




COOLANT REPORT

Sample Rating Trend



NORMAL



Area

Firewater

Machine Id

V411201C FWP PACKAGE C

Component

Coolant

Fluid

EXTENDED LIFE COOLANT (--- GAL)

DIAGNOSIS

Recommendation

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

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PP14005838	PC14000799	PP13931893
Sample Date	Client Info		20 Jun 2024	13 Jun 2024	09 Nov 2023
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

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		UNK	UNK	---
Specific Gravity	ASTM D1298*		1.064	1.064	1.064
pH	Scale 0-14	ASTM D1287* 9.0	7.92	7.88	8.27
Nitrites	ppm	Alcan Test Kit*	760	800	1200
Reserve Alkalinity	Scale 0-20	ASTM D1121*	2.2	2.2	2.0
Percentage Glycol	%	ASTM D3321* 50	47.7	47.7	47.7
Freezing Point	°C	ASTM D3321* -40	-33	-33	-28
Carboxylate			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	26	27	24
Phosphorus	ppm	ASTM D5185(m)	8	6	36
Boron	ppm	ASTM D5185(m)	49	48	48
Molybdenum	ppm	ASTM D5185(m)	159	158	159

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >15	0	0	0
Aluminum	ppm	ASTM D5185(m) >10	0	0	1
Copper	ppm	ASTM D5185(m) >10	0	0	0
Lead	ppm	ASTM D5185(m) >10	0	0	0
Tin	ppm	ASTM D5185(m) >10	0	0	0
Silver	ppm	ASTM D5185(m) >10	0	0	<1
Zinc	ppm	ASTM D5185(m)	1	2	0

CARRIER SALTS

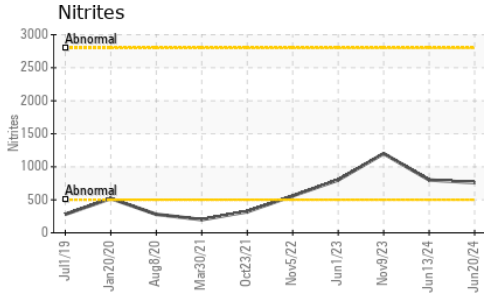
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	3829	3783	5289
Potassium	ppm	ASTM D5185(m)	4434	4149	7282

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m) >100	8	6	6
Magnesium	ppm	ASTM D5185(m) >40	4	4	3
Hardness	mg/L CaCO3	In-house* <75	35	31	27

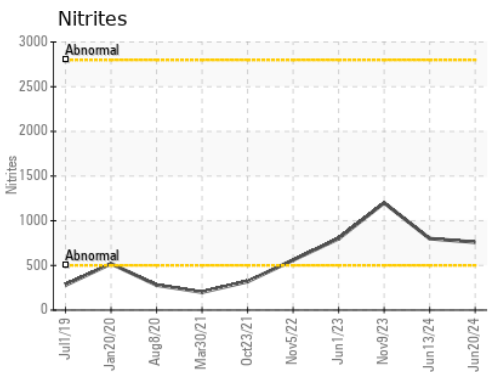
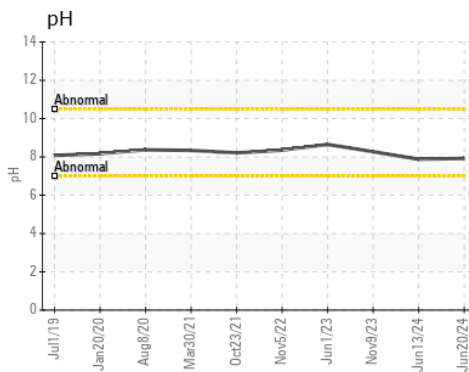
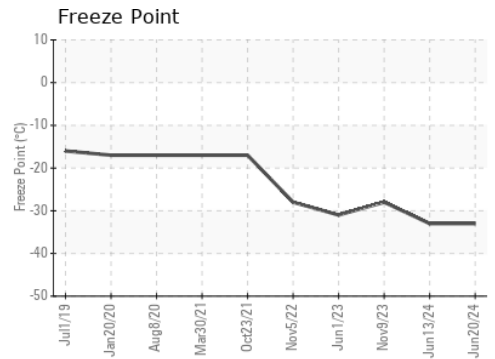
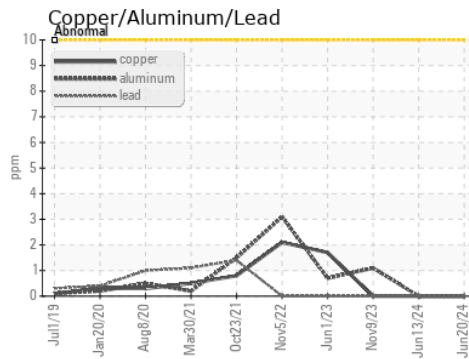
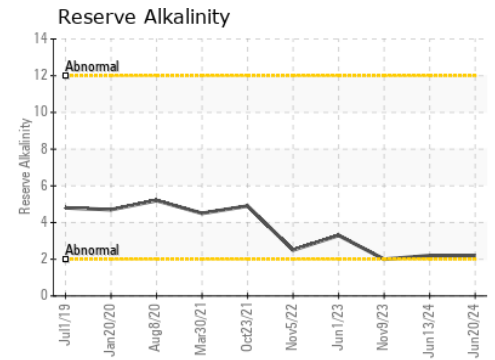
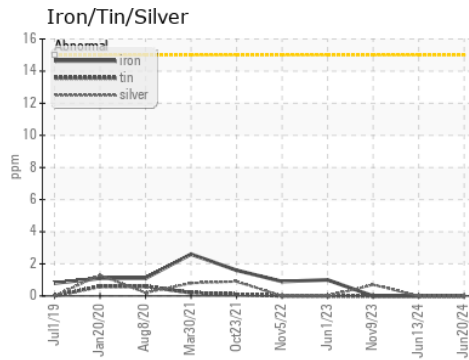


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Orange/R	Red	Red	Red
Coolant Appearance	Visual*	Clear	Clear	Clear	Clear
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP14005838
Lab Number : 02647960
Unique Number : 5813512
Test Package : COOL (Additional Tests: GlycolType)
Received : 15 Jul 2024
Tested : 16 Jul 2024
Diagnosed : 16 Jul 2024 - Kevin Marson

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 St. John's, NL
 CA A1C 6K3
 Contact: Liam Maher
 liam.m.maher@exxonmobil.com
 T: (709)273-3729
 F:

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.