



Machine Id
1225
 Component
Coolant
 Fluid
EXTENDED LIFE COOLANT (--- GAL)

RECOMMENDATION

Drain system and refill with 50/50 premix of manufacturer recommended coolant.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0083192	PC0078452	WC0057232
Sample Date		Client Info		23 Apr 2024	30 Aug 2023	19 Jan 2023
Machine Age	hrs	Client Info		6192	5234	4118
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	14	0	<1
Aluminum	ppm	ASTM D5185(m)	>10	3	<1	6
Copper	ppm	ASTM D5185(m)	>10	<1	0	2
Lead	ppm	ASTM D5185(m)	>10	0	0	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Silver	ppm	ASTM D5185(m)	>10	1	<1	0
Zinc	ppm	ASTM D5185(m)	>10	2	0	2

CONTAMINANTS

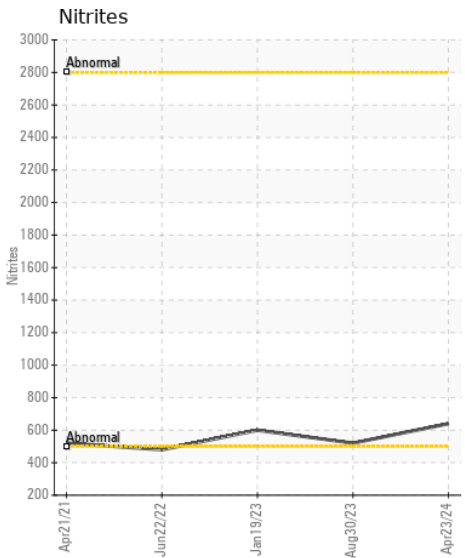
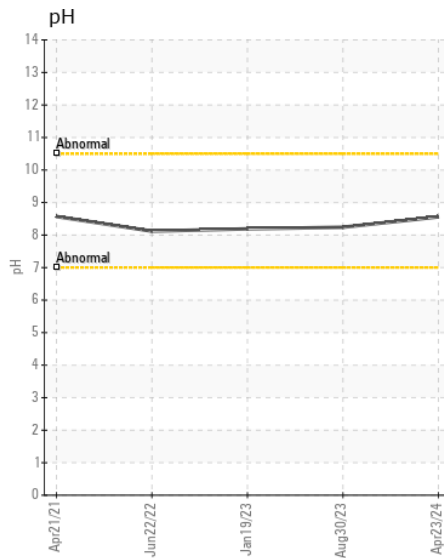
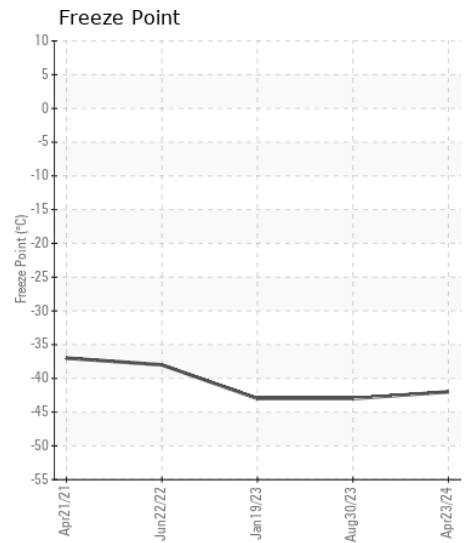
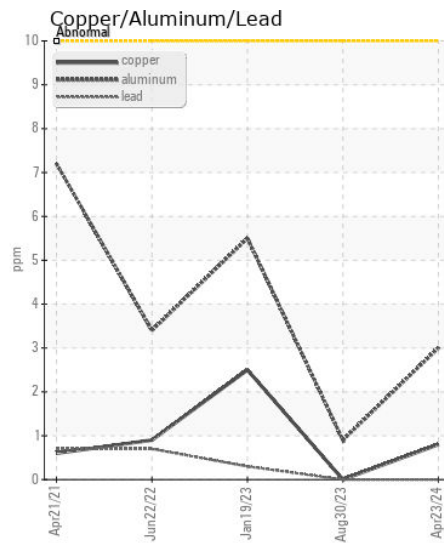
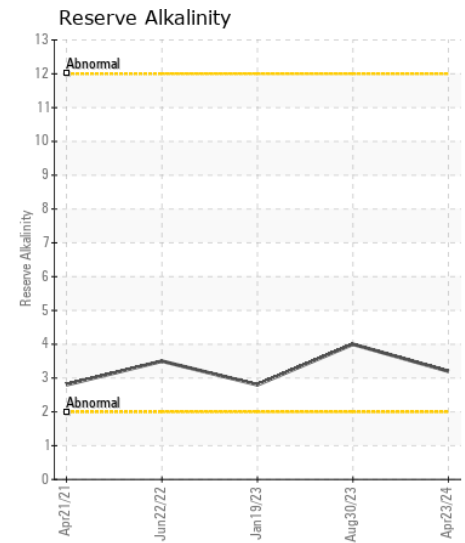
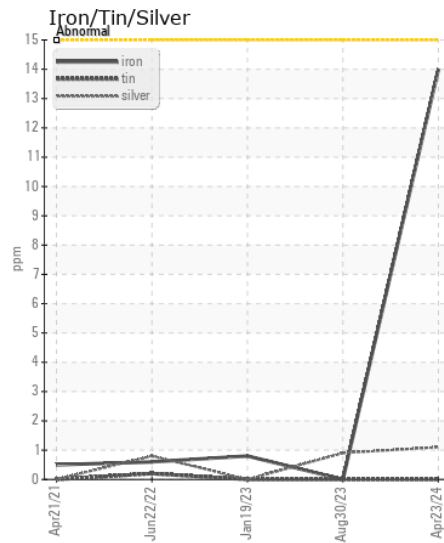
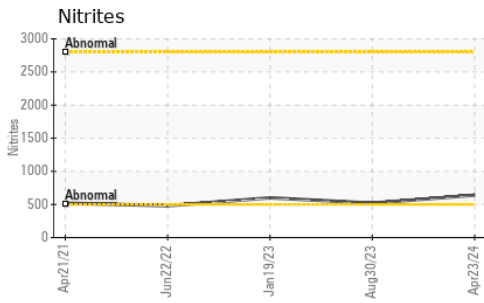
Hardness is elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness.

Calcium	ppm	ASTM D5185(m)	>100	22	8	8
Magnesium	ppm	ASTM D5185(m)	>40	5	3	5
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	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*		108	---	---
Specific Gravity		ASTM D1298*		1.071	1.072	1.071
pH	Scale 0-14	ASTM D1287*	9.0	8.56	8.24	8.19
Nitrites	ppm	Alcan Test Kit*		640	520	600
Reserve Alkalinity	Scale 0-20	ASTM D1121*		3.2	4.0	2.8
Percentage Glycol	%	ASTM D3321*	50	53.3	53.7	53.2
Freezing Point	°C	ASTM D3321*	-40	-42	-43	-43
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		44	60	68
Phosphorus	ppm	ASTM D5185(m)		6	22	9
Boron	ppm	ASTM D5185(m)		8	8	10
Molybdenum	ppm	ASTM D5185(m)		458	496	622
Sodium	ppm	ASTM D5185(m)		5502	6568	3348
Potassium	ppm	ASTM D5185(m)		1045	1361	1351
Coolant Color		Visual*	Orange/R	Orange	Pink	Red



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083192
Lab Number : 02631241
Unique Number : 5772394
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.

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