



Machine Id
5050
 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		PC0083723	PC0082328	PC0077636
Sample Date		Client Info		15 May 2024	12 Nov 2023	25 Jul 2023
Machine Age	hrs	Client Info		2914	2460	1956
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	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	0	3
Aluminum	ppm	ASTM D5185(m)	>10	2	5	0
Copper	ppm	ASTM D5185(m)	>10	1	<1	4
Lead	ppm	ASTM D5185(m)	>10	0	<1	6
Tin	ppm	ASTM D5185(m)	>10	0	0	2
Silver	ppm	ASTM D5185(m)	>10	<1	<1	0
Zinc	ppm	ASTM D5185(m)	>10	5	0	0

CONTAMINANTS

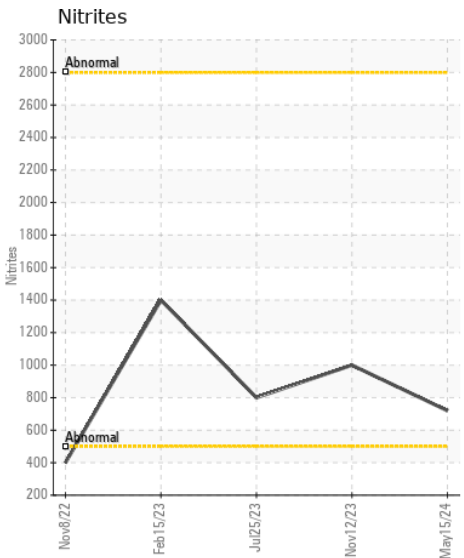
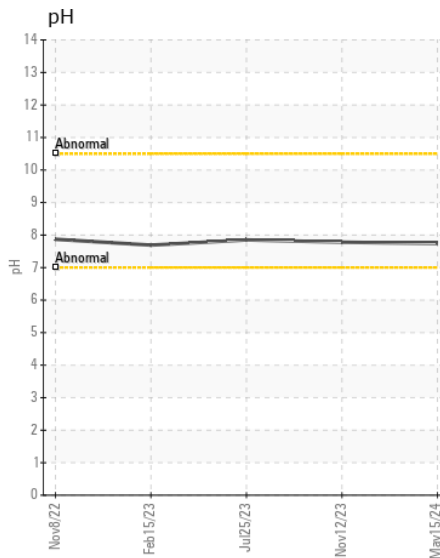
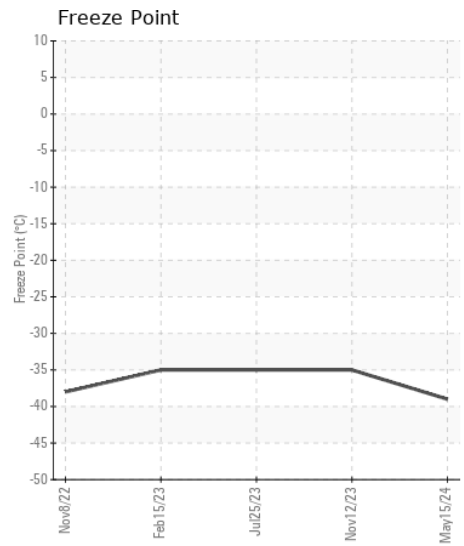
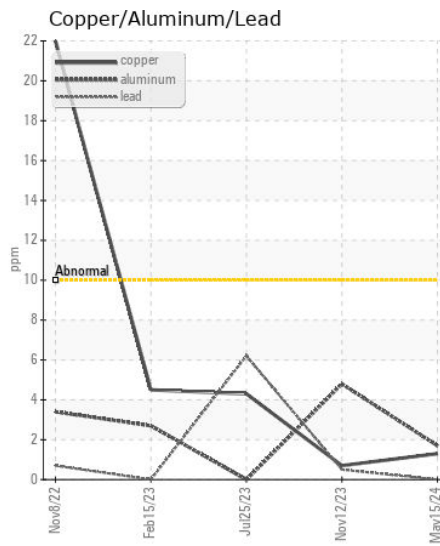
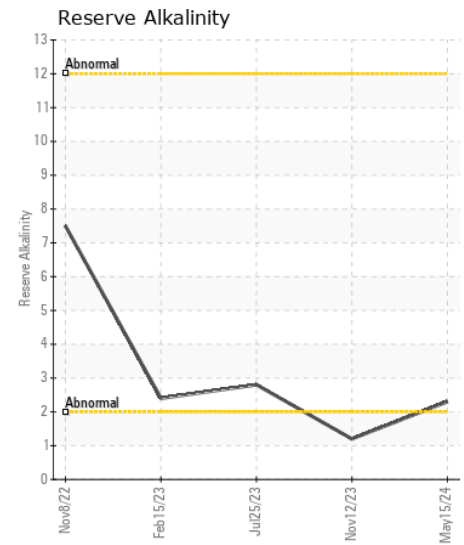
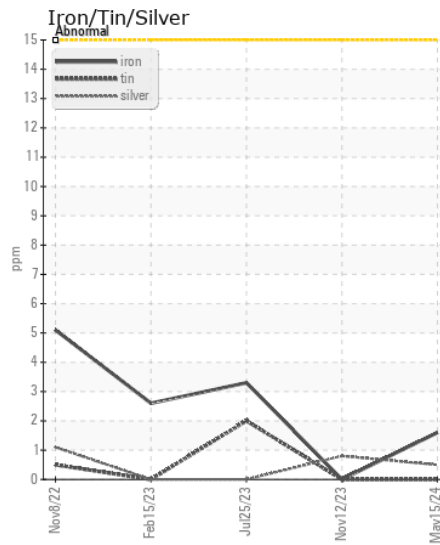
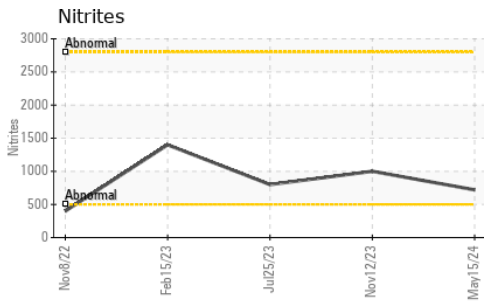
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	17	12	12
Magnesium	ppm	ASTM D5185(m)	>40	3	3	3
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	Clear	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*		1.069	1.068	1.068
pH	Scale 0-14	ASTM D1287*	9.0	7.74	7.78	7.85
Nitrites	ppm	Alcan Test Kit*		720	1000	800
Reserve Alkalinity	Scale 0-20	ASTM D1121*		2.3	1.2	2.8
Percentage Glycol	%	ASTM D3321*	50	51.2	50.9	50.2
Freezing Point	°C	ASTM D3321*	-40	-39	-35	-35
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		42	38	28
Phosphorus	ppm	ASTM D5185(m)		208	14	13
Boron	ppm	ASTM D5185(m)		96	68	93
Molybdenum	ppm	ASTM D5185(m)		442	361	387
Sodium	ppm	ASTM D5185(m)		6736	7343	3576
Potassium	ppm	ASTM D5185(m)		727	570	558
Coolant Color		Visual*	Orange/R	Pink	Red	Red



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083723
Lab Number : 02636784
Unique Number : 5785946
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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