



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
SUNLIFE [33548]
Machine Id
WARRIOR A RAD
Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- 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		WC0767439	WC0616835	WC0616836
Sample Date		Client Info		09 Apr 2024	18 Aug 2021	18 Aug 2021
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	ABNORMAL	ABNORMAL

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	0	2	3
Aluminum	ppm	ASTM D5185(m)	>10	0	2	2
Copper	ppm	ASTM D5185(m)	>10	<1	1	▲ 19
Lead	ppm	ASTM D5185(m)	>10	0	1	1
Tin	ppm	ASTM D5185(m)	>10	0	▲ 21	3
Silver	ppm	ASTM D5185(m)	>10	<1	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	<1	5	9

CONTAMINANTS

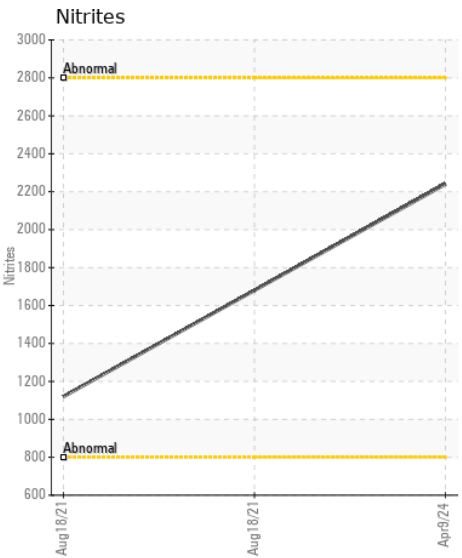
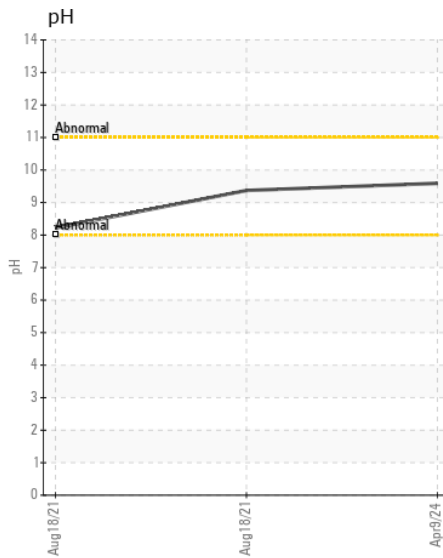
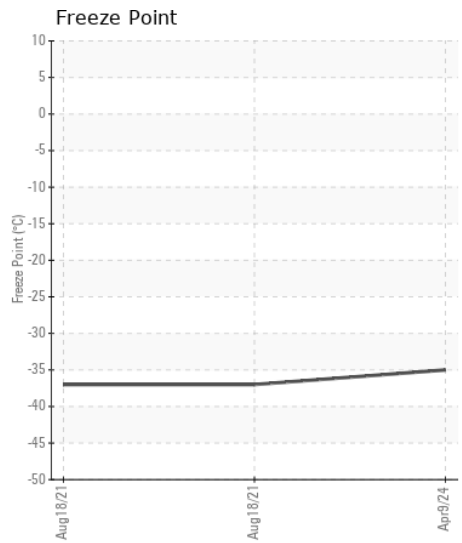
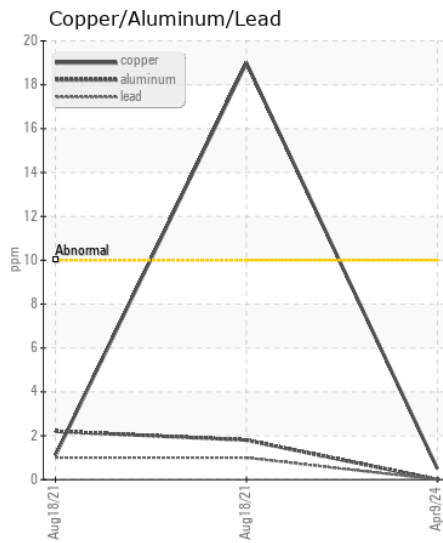
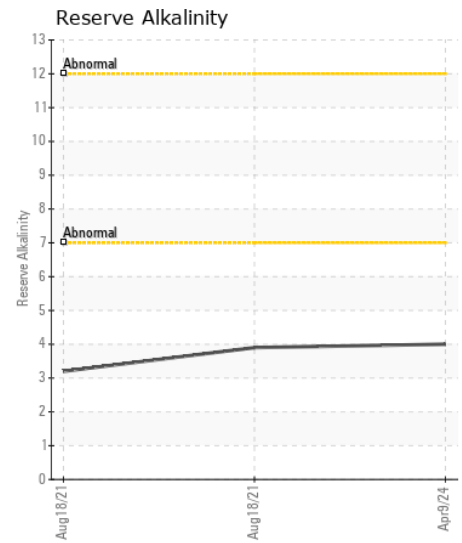
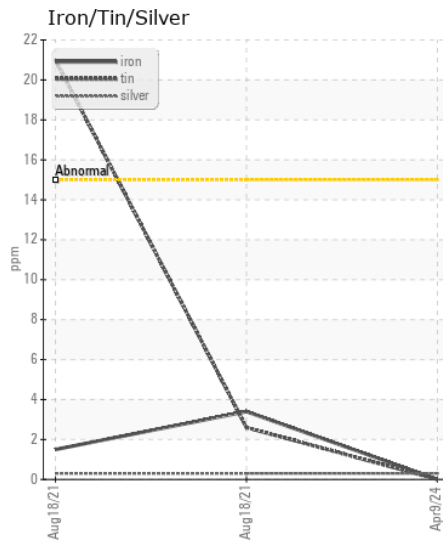
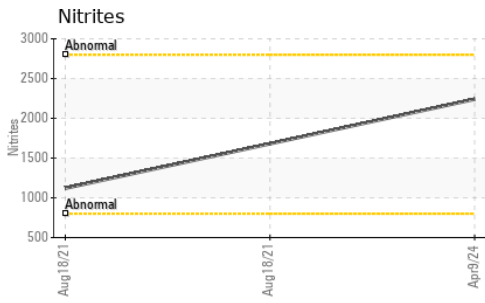
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	2	5	2
Magnesium	ppm	ASTM D5185(m)	>40	2	2	1
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.

Boiling Point	°C	WC Method*		107	---	---
Specific Gravity		ASTM D1298*		1.065	1.067	1.067
pH	Scale 0-14	ASTM D1287*	9.5	9.59	9.37	8.22
Nitrites	ppm	Alcan Test Kit*	1500	2240	1680	1120
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	4.0	3.9	3.2
Percentage Glycol	%	ASTM D3321*	50	48.5	50.0	50.0
Freezing Point	°C	ASTM D3321*	-40	-35	-37	-37
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		31	7	9
Phosphorus	ppm	ASTM D5185(m)		13	11	9
Boron	ppm	ASTM D5185(m)		230	274	257
Molybdenum	ppm	ASTM D5185(m)		3	2	2
Sodium	ppm	ASTM D5185(m)		2162	1431	1434
Potassium	ppm	ASTM D5185(m)		249	209	166
Coolant Color		Visual*	Green	Green	Pink	Orange



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0767439
Lab Number : 02628307
Unique Number : 5761439
Test Package : COOL (Additional Tests: GlycolType)
Received : 11 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 15 Apr 2024 - Kevin Marson

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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.