



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
WCLSNC
Machine Id
QC COOL ELC NC 09012022
Component
Coolant
Fluid
CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0916184	WC0916183	WC0916178
Sample Date		Client Info		19 Mar 2024	18 Mar 2024	13 Mar 2024
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

CORROSION

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

Iron	ppm	ASTM D6130	>2	3	3	0
Aluminum	ppm	ASTM D6130	>2	0	0	0
Copper	ppm	ASTM D6130	>2	<1	<1	0
Lead	ppm	ASTM D6130	>2	<1	<1	0
Tin	ppm	ASTM D6130	>2	0	0	0
Zinc	ppm	ASTM D6130	>10	0	0	0

CONTAMINANTS

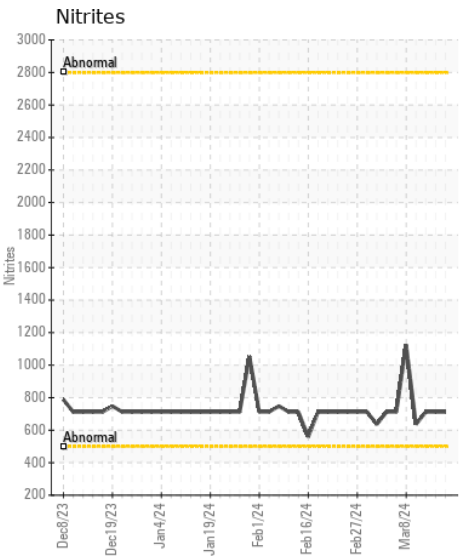
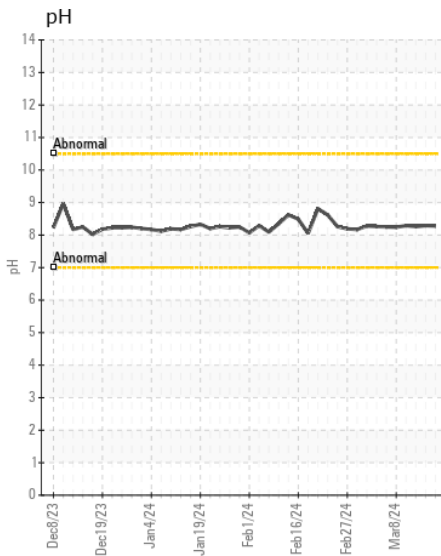
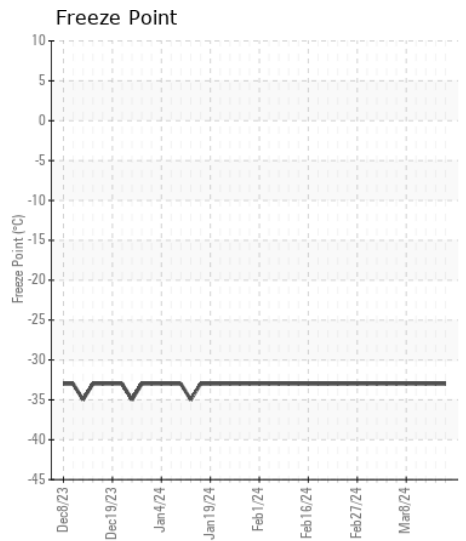
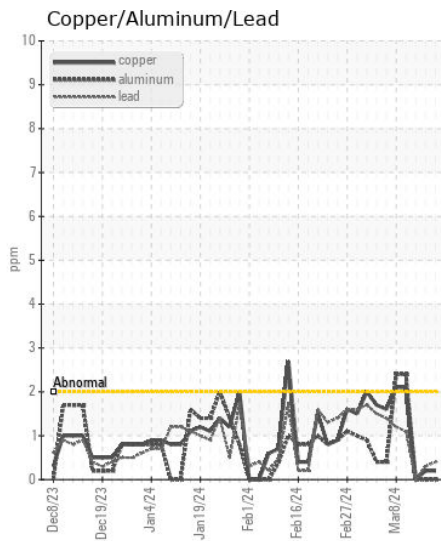
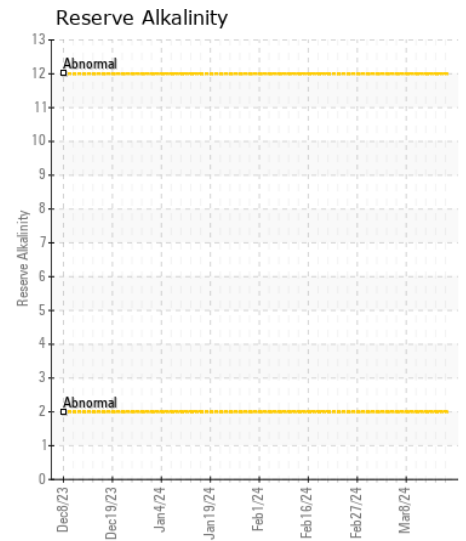
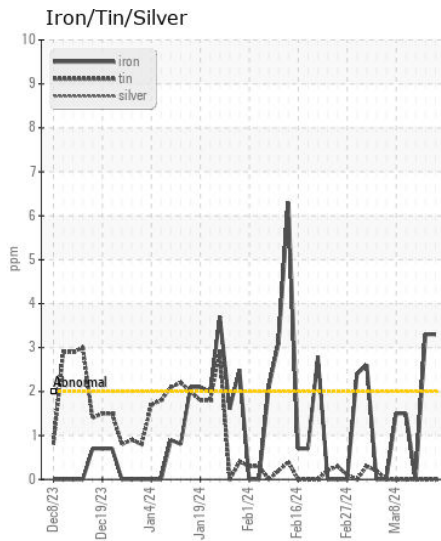
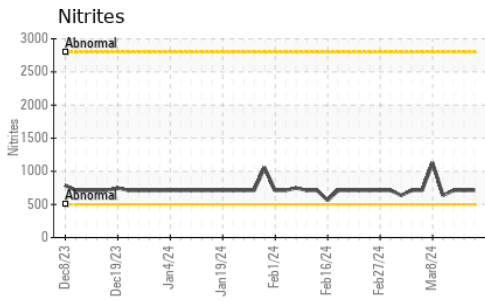
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130	>5	0	0	0
Chlorine	ppm	ASTM D6130		5	5	3
Magnesium	ppm	ASTM D6130	>6	0	0	0
Total Dissolved Solids				346.5	327.0	340.0
Coolant Appearance		*Visual	Clear	normal	normal	normal

COOLANT CONDITION

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method		225	225	225
Specific Gravity		*ASTM D1298		1.067	1.067	1.067
pH	Scale 0-14	ASTM D1287		8.28	8.29	8.26
Nitrites	ppm	AP-053:2009		712	712	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		49.3	49.4	49.4
Freezing Point	°F	ASTM D3321		-33	-33	-33
Carboxylate				fail	fail	fail
Silicon	ppm	ASTM D6130	0	<1	1	2
Phosphorus	ppm	ASTM D6130	0	0	0	0
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	950	578	651	642
Sodium	ppm	ASTM D6130		3407	3861	3846
Potassium	ppm	ASTM D6130		10	8	0
Coolant Color		*Visual		Red	Red	Red



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0916184
Lab Number : 06122865
Unique Number : 10937016
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

WEARCHECK LUBRICATION SERVICES QA ACCOUNT
 501 Madison Ave
 Cary, NC
 US 27513
 Contact: WCLS CARY NC

Received : 19 Mar 2024
Tested : 22 Mar 2024
Diagnosed : 22 Mar 2024 - Jonathan Hester

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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