



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		WC0929347	WC0929346	WC0929343
Sample Date		Client Info		23 Apr 2024	22 Apr 2024	19 Apr 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	0	<1	<1
Aluminum	ppm	ASTM D6130	>2	0	1	1
Copper	ppm	ASTM D6130	>2	0	1	1
Lead	ppm	ASTM D6130	>2	0	<1	<1
Tin	ppm	ASTM D6130	>2	0	<1	<1
Zinc	ppm	ASTM D6130	>10	0	1	1

CONTAMINANTS

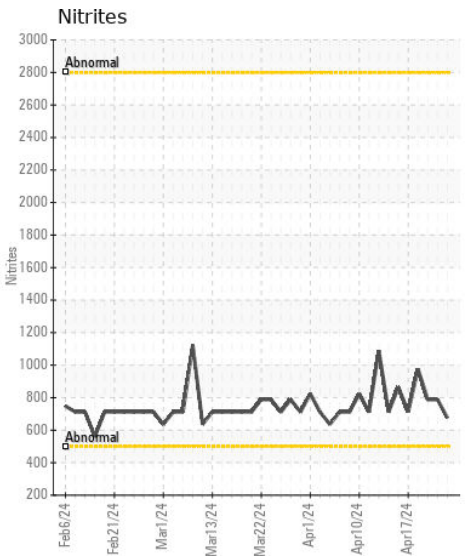
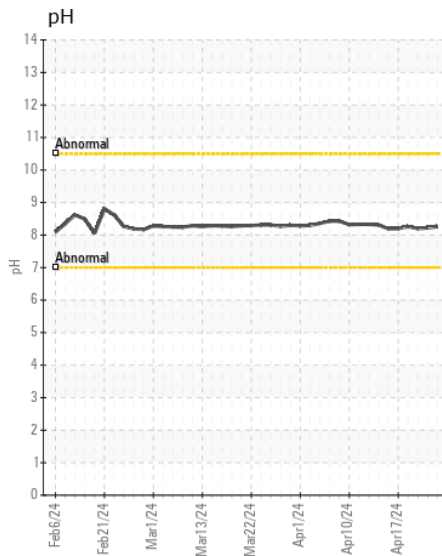
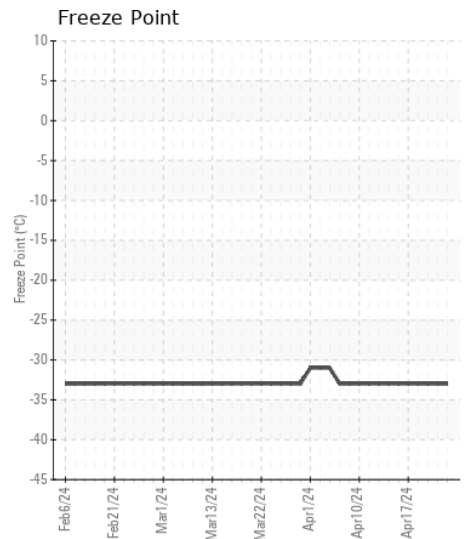
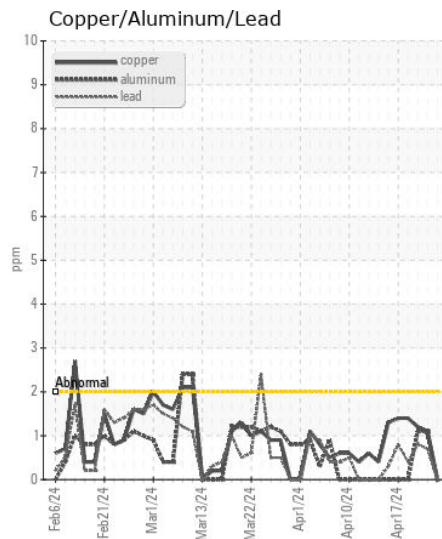
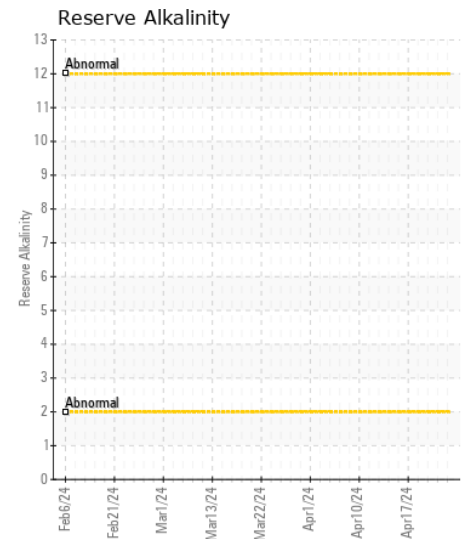
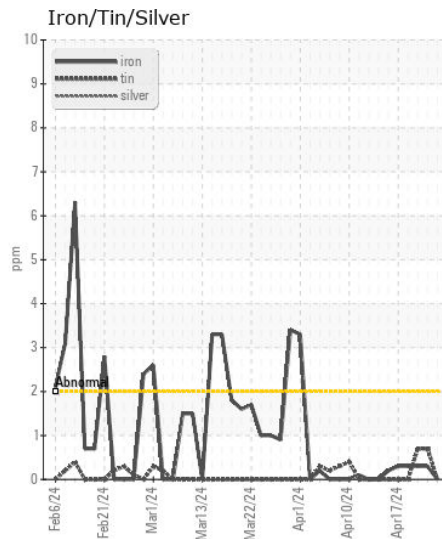
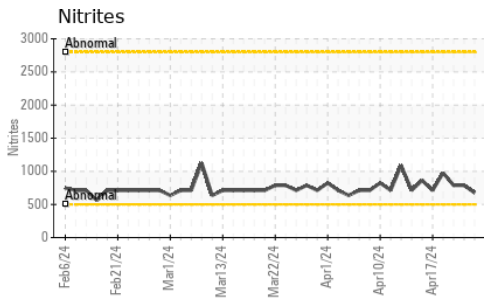
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130	>5	0	<1	<1
Chlorine	ppm	ASTM D6130		6	1	2
Magnesium	ppm	ASTM D6130	>6	0	<1	<1
Total Dissolved Solids				353.0	257.5	362.0
Coolant Appearance		*Visual	Clear	normal	normal	normal

COOLANT CONDITION

The carboxylate level of this fluid is acceptable. 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		8.26	8.22	8.20
Nitrites	ppm	AP-053:2009		676	788	788
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		49.4	49.2	49.3
Freezing Point	°F	ASTM D3321		-33	-33	-33
Carboxylate				pass	fail	fail
Silicon	ppm	ASTM D6130	0	2	2	2
Phosphorus	ppm	ASTM D6130	0	0	4	4
Boron	ppm	ASTM D6130	0	0	<1	2
Molybdenum	ppm	ASTM D6130	950	623	685	742
Sodium	ppm	ASTM D6130		3598	4068	4366
Potassium	ppm	ASTM D6130		5	2	3
Coolant Color		*Visual		Red	Red	Red



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0929347
Lab Number : 06158221
Unique Number : 10993644
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

Received : 23 Apr 2024
Tested : 29 Apr 2024
Diagnosed : 29 Apr 2024 - Jonathan Hester

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

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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