



# COOLANT REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

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		<b>WC0929335</b>	WC0929334	WC0929333
Sample Date		Client Info		<b>11 Apr 2024</b>	10 Apr 2024	09 Apr 2024
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	SEVERE	NORMAL

## CORROSION

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

Iron	ppm	ASTM D6130	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D6130	>2	<b>0</b>	0	0
Copper	ppm	ASTM D6130	>2	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D6130	>2	<b>0</b>	<1	<1
Tin	ppm	ASTM D6130	>2	<b>0</b>	<1	<1
Zinc	ppm	ASTM D6130	>10	<b>0</b>	<1	<1

## CONTAMINANTS

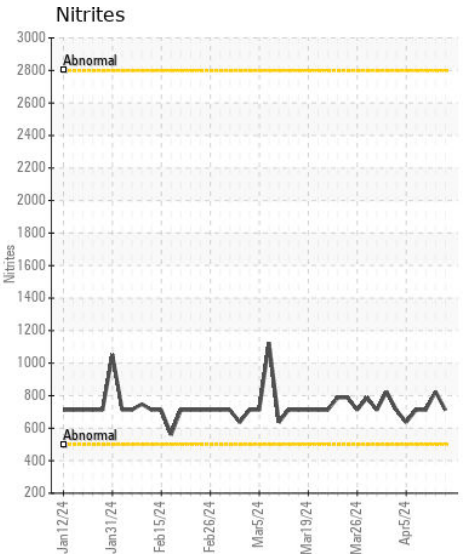
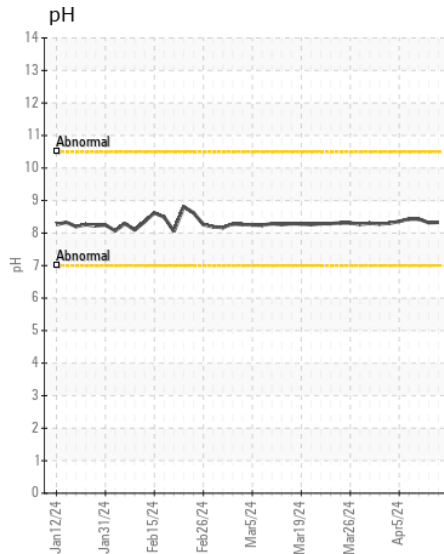
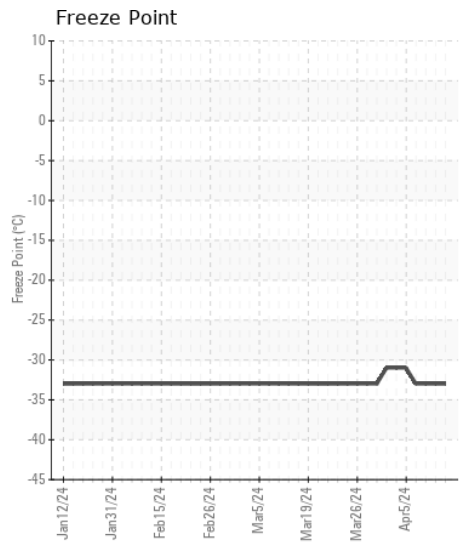
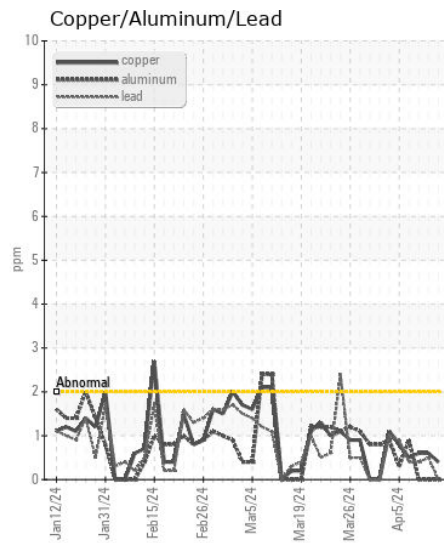
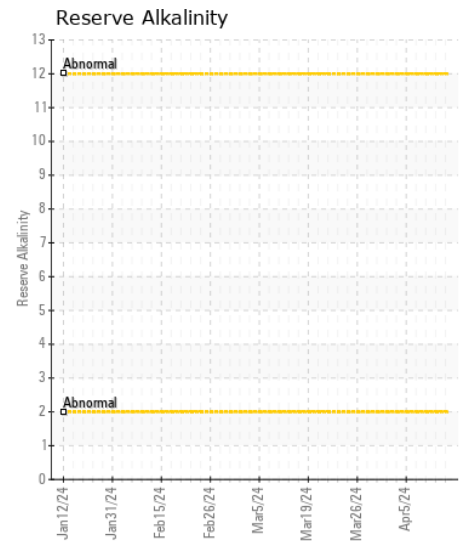
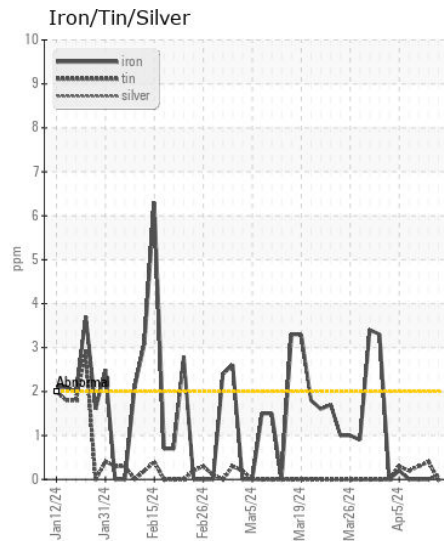
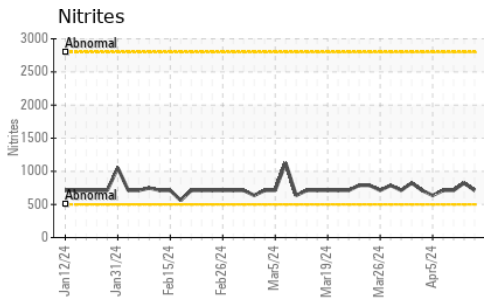
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130	>5	<b>0</b>	0	0
Chlorine	ppm	ASTM D6130		<b>0</b>	2	<1
Magnesium	ppm	ASTM D6130	>6	<b>0</b>	0	0
Total Dissolved Solids				<b>295.5</b>	331.0	370.0
Coolant Appearance		*Visual	Clear	<b>normal</b>	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		<b>225</b>	225	225
Specific Gravity		*ASTM D1298		<b>1.067</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287		<b>8.33</b>	8.32	8.43
Nitrites	ppm	AP-053:2009		<b>712</b>	824	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>49.3</b>	49.4	49.2
Freezing Point	°F	ASTM D3321		<b>-33</b>	-33	-33
Carboxylate				<b>fail</b>	▲ fail	pass
Silicon	ppm	ASTM D6130	0	<b>1</b>	1	2
Phosphorus	ppm	ASTM D6130	0	<b>0</b>	8	0
Boron	ppm	ASTM D6130	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D6130	950	<b>694</b>	▲ 744	769
Sodium	ppm	ASTM D6130		<b>4135</b>	4340	4503
Potassium	ppm	ASTM D6130		<b>3</b>	34	4
Coolant Color		*Visual		<b>Red</b>	Red	Red



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0929335 **Received** : 11 Apr 2024  
**Lab Number** : 06146290 **Tested** : 16 Apr 2024  
**Unique Number** : 10976368 **Diagnosed** : 16 Apr 2024 - Jonathan Hester  
**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

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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