



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		WC0906313	WC0906309	WC0906308
Sample Date		Client Info		26 Feb 2024	22 Feb 2024	21 Feb 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	---

CORROSION

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

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

CONTAMINANTS

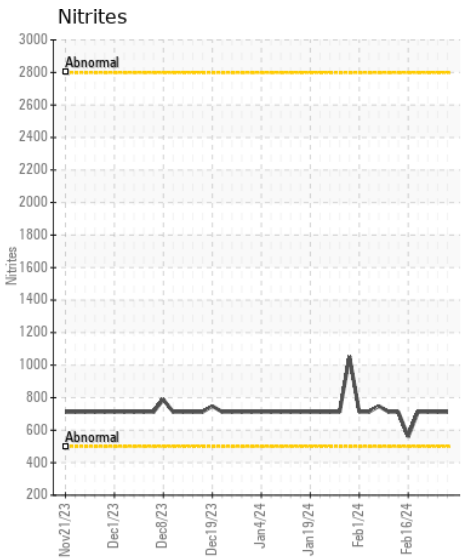
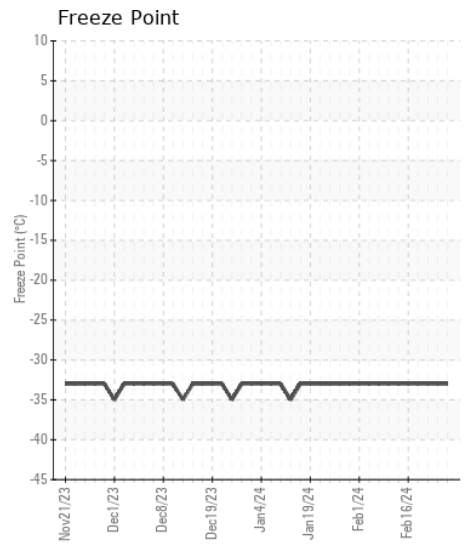
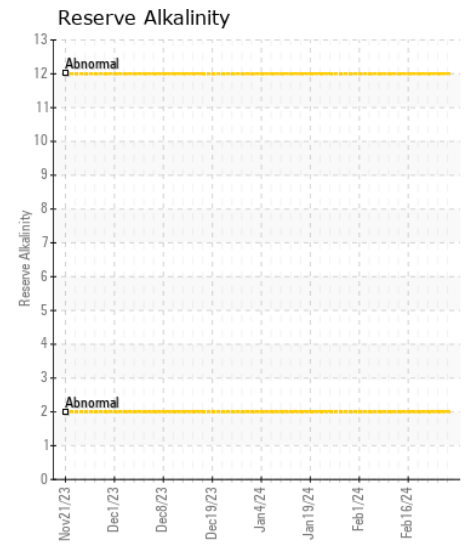
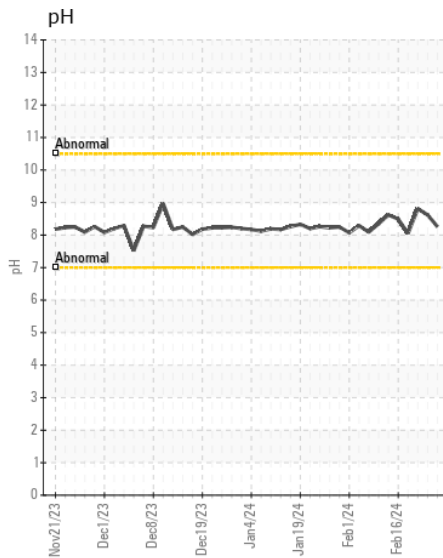
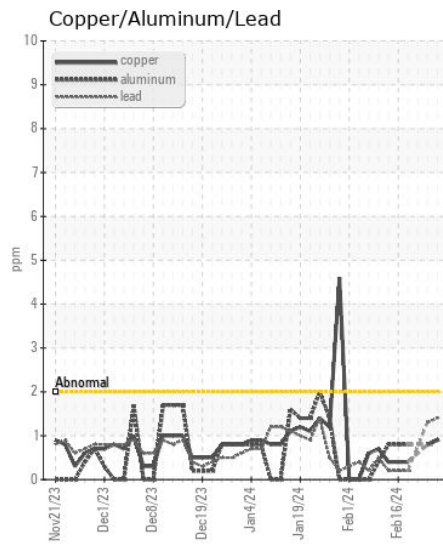
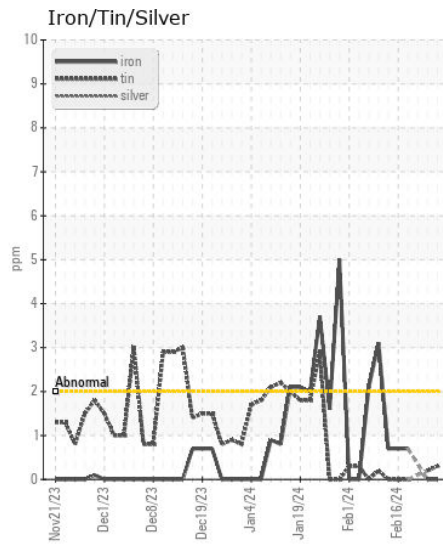
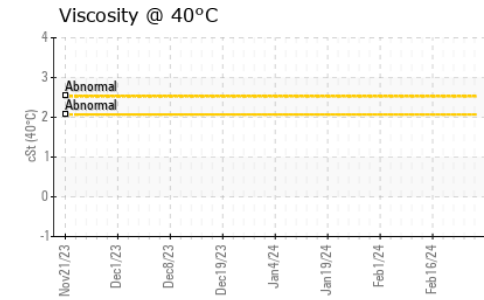
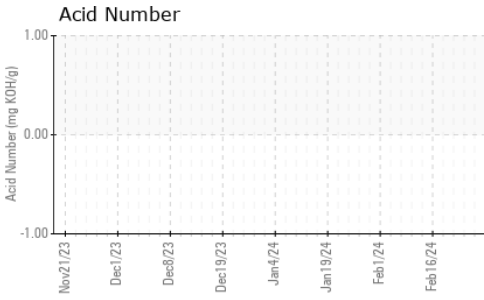
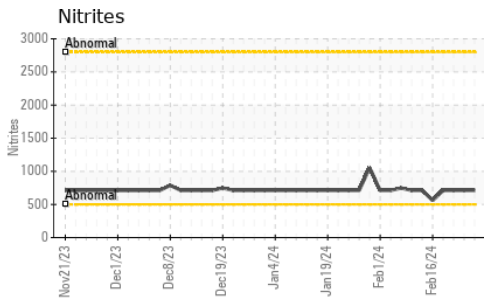
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130	>5	<1	<1	---
Chlorine	ppm	ASTM D6130		5	9	---
Magnesium	ppm	ASTM D6130	>6	0	0	---
Total Dissolved Solids				324.0	359.5	303.5
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.

Specific Gravity		*ASTM D1298		1.067	1.067	1.067
pH	Scale 0-14	ASTM D1287		8.26	8.62	8.81
Nitrites	ppm	AP-053:2009		712	712	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		49.5	49.4	49.6
Freezing Point	°F	ASTM D3321		-33	-33	-33
Carboxylate				fail	fail	▲ fail
Silicon	ppm	ASTM D6130	0	1	<1	---
Phosphorus	ppm	ASTM D6130	0	4	<1	---
Boron	ppm	ASTM D6130	0	0	0	---
Molybdenum	ppm	ASTM D6130	950	701	722	---
Sodium	ppm	ASTM D6130		4101	4284	---
Potassium	ppm	ASTM D6130		8	6	---
Coolant Color		*Visual		Red	Red	Red



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0906313

Lab Number : 06100608

Unique Number : 10898838

Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KV40, SCREEN, TDM) **Contact:** WCLS CARY NC

Received : 26 Feb 2024

Tested : 28 Feb 2024

Diagnosed : 28 Feb 2024 - Jonathan Hester

WEARCHECK LUBRICATION SERVICES QA ACCOUNT

501 Madison Ave

Cary, NC

US 27513

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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