



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		WC0939681	WC0939677	WC0939676
Sample Date		Client Info		28 May 2024	24 May 2024	23 May 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	SEVERE	NORMAL

CORROSION

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

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

CONTAMINANTS

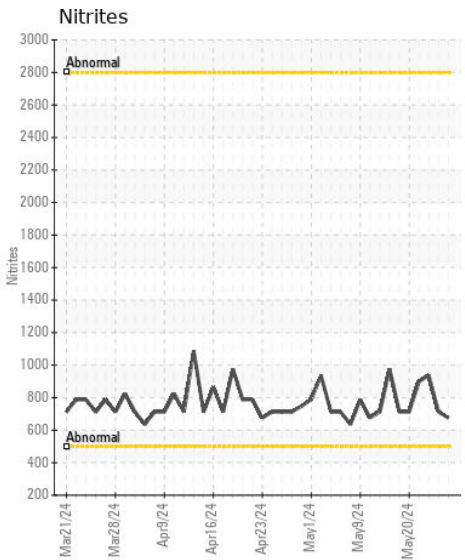
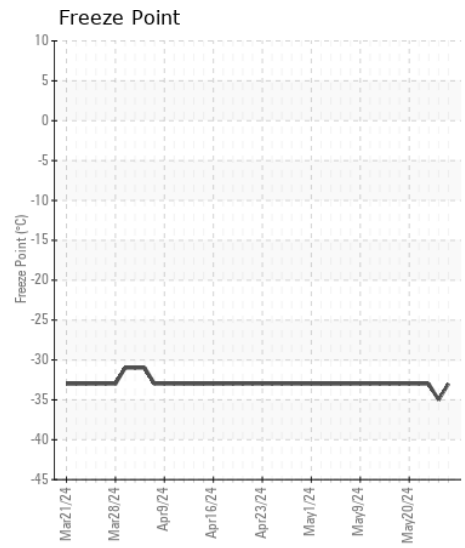
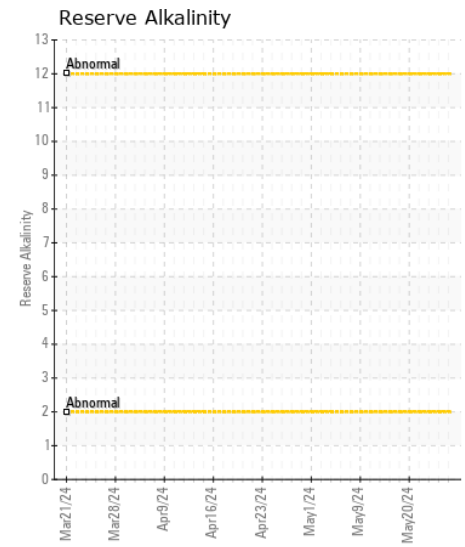
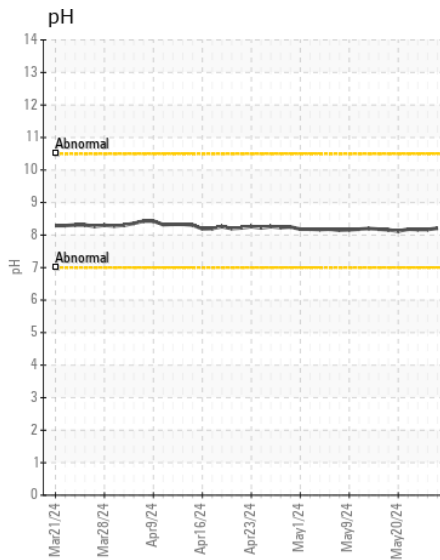
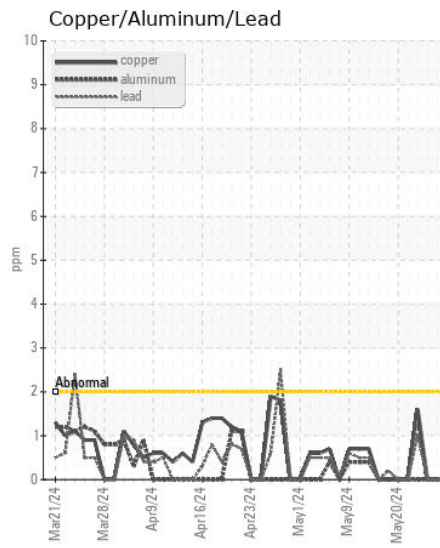
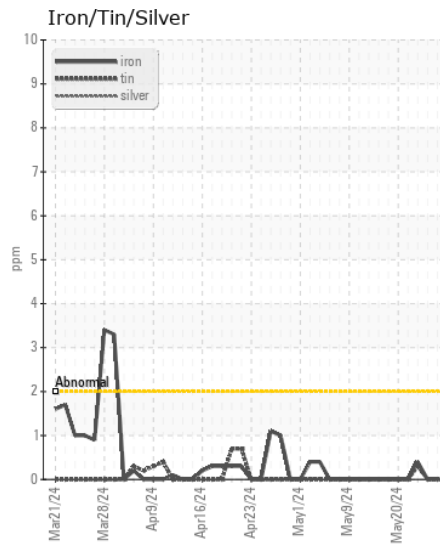
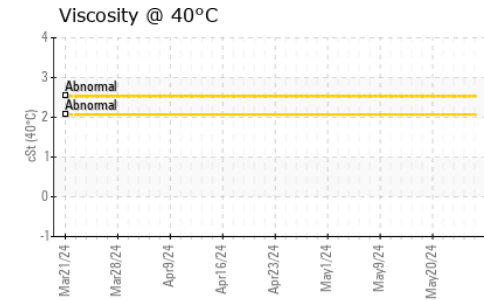
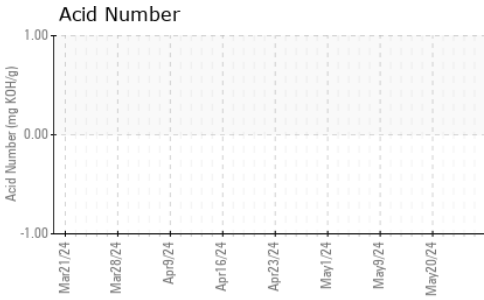
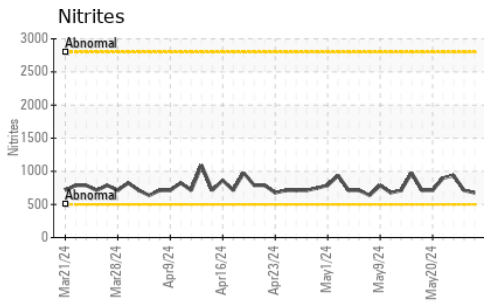
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130	>5	0	0	0
Chlorine	ppm	ASTM D6130		<1	0	1
Magnesium	ppm	ASTM D6130	>6	0	0	<1
Total Dissolved Solids				362.0	330.5	341.0
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
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		8.21	8.17	8.17
Nitrites	ppm	AP-053:2009		676	712	936
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		49.3	50.0	49.3
Freezing Point	°F	ASTM D3321		-33	-35	-33
Carboxylate				fail	▲ fail	fail
Silicon	ppm	ASTM D6130	0	<1	<1	3
Phosphorus	ppm	ASTM D6130	0	0	0	0
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	950	688	▲ 672	843
Sodium	ppm	ASTM D6130		4001	3851	5308
Potassium	ppm	ASTM D6130		3	5	9
Coolant Color		*Visual		Red	Red	Red



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939681
Lab Number : 06192717
Unique Number : 11049469
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KV40, SCREEN, TACO, Tact)

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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