



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		WC0939663	WC0939662	WC0939661
Sample Date		Client Info		11 May 2024	09 May 2024	08 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	NORMAL	SEVERE

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

CONTAMINANTS

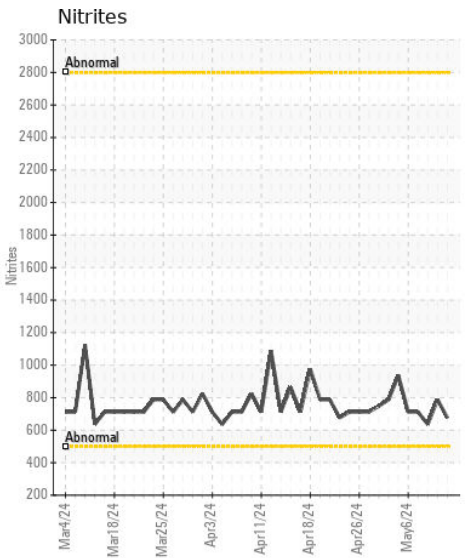
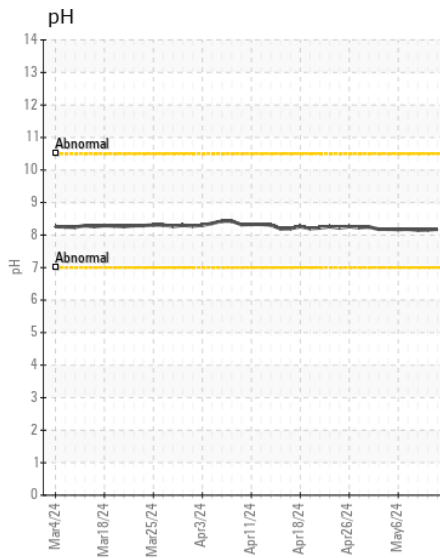
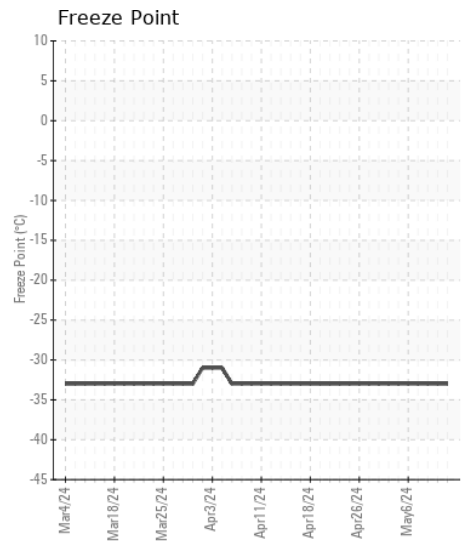
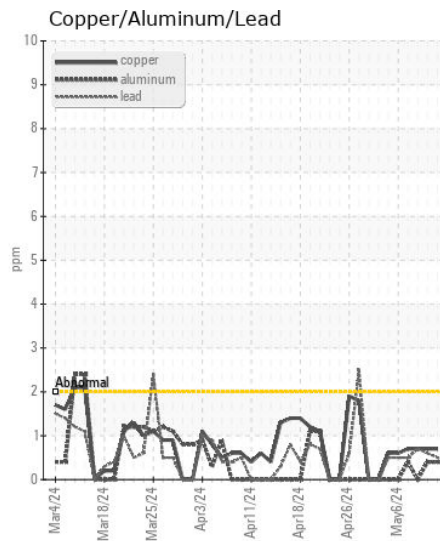
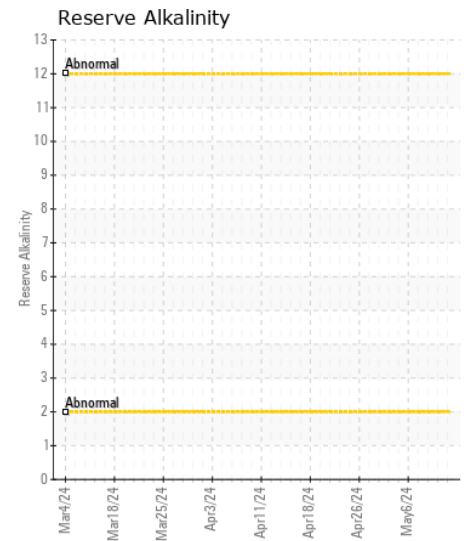
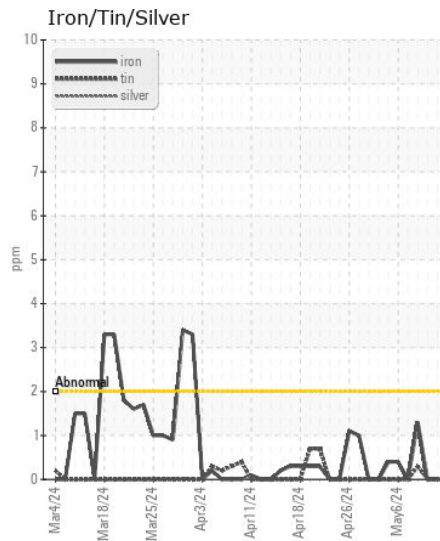
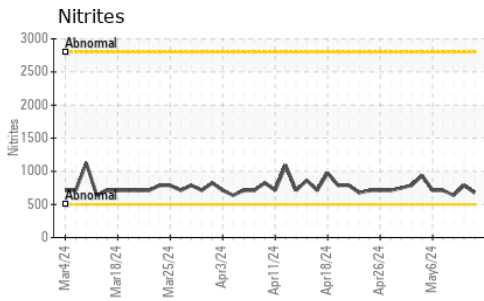
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130	>5	0	0	0
Chlorine	ppm	ASTM D6130		1	1	<1
Magnesium	ppm	ASTM D6130	>6	<1	<1	<1
Total Dissolved Solids				319.5	329.0	392.0
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		8.18	8.16	8.15
Nitrites	ppm	AP-053:2009		676	788	636
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		49.3	49.3	49.2
Freezing Point	°F	ASTM D3321		-33	-33	-33
Carboxylate				fail	fail	▲ fail
Silicon	ppm	ASTM D6130	0	2	2	3
Phosphorus	ppm	ASTM D6130	0	2	3	▲ 35
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	950	692	762	901
Sodium	ppm	ASTM D6130		4239	4575	5490
Potassium	ppm	ASTM D6130		4	6	▲ 72
Coolant Color		*Visual		Red	Red	Red



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0939663
Lab Number : 06176005
Unique Number : 11022058
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

Received : 10 May 2024
Tested : 16 May 2024
Diagnosed : 16 May 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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