



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

The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0895232	WC0895231	WC0895227
Sample Date		Client Info		10 Jan 2024	09 Jan 2024	05 Jan 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	<1	<1	0
Aluminum	ppm	ASTM D6130	>2	0	0	<1
Copper	ppm	ASTM D6130	>2	<1	<1	<1
Lead	ppm	ASTM D6130	>2	1	1	<1
Tin	ppm	ASTM D6130	>2	2	2	2
Zinc	ppm	ASTM D6130	>10	0	0	1

CONTAMINANTS

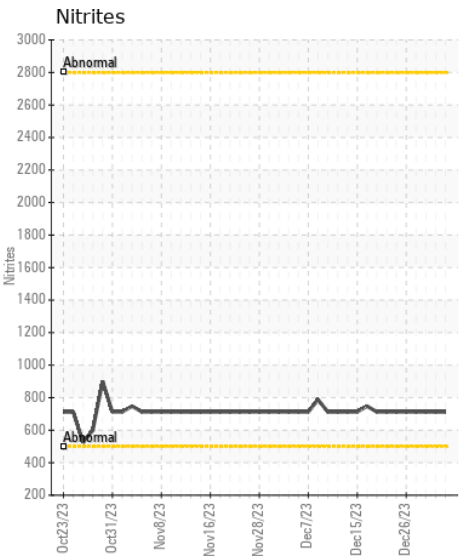
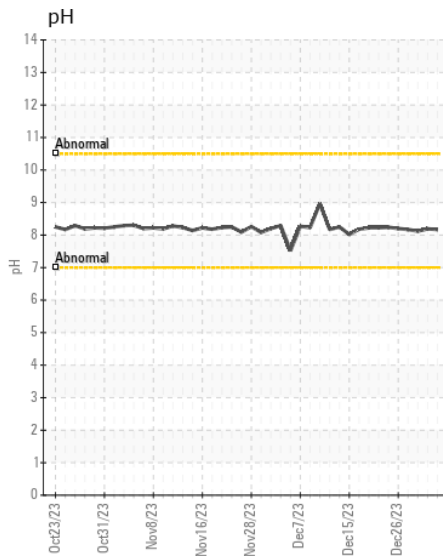
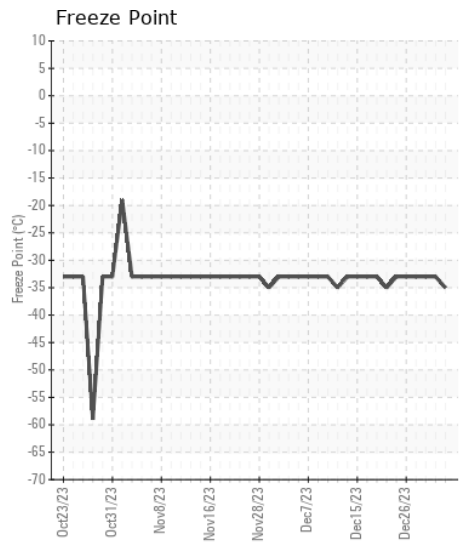
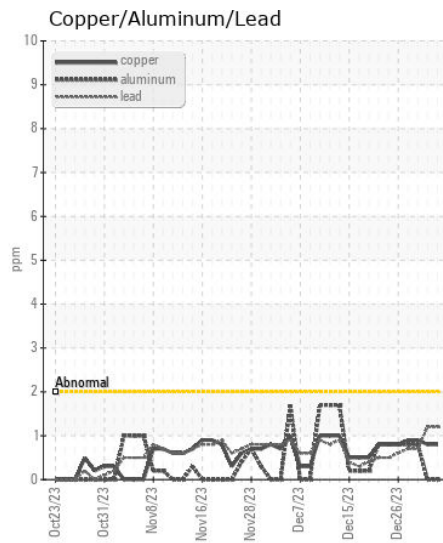
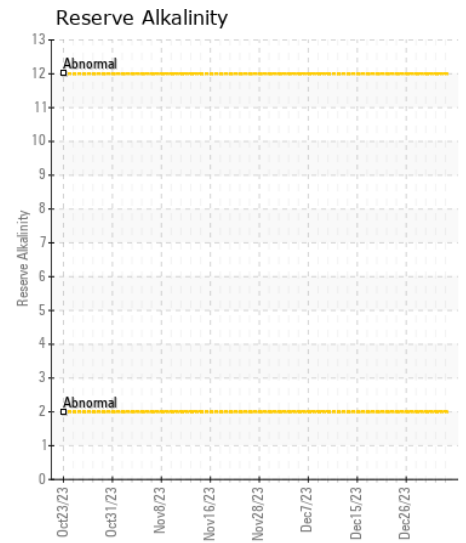
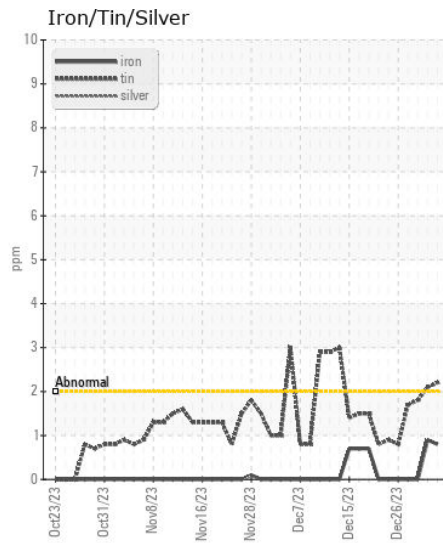
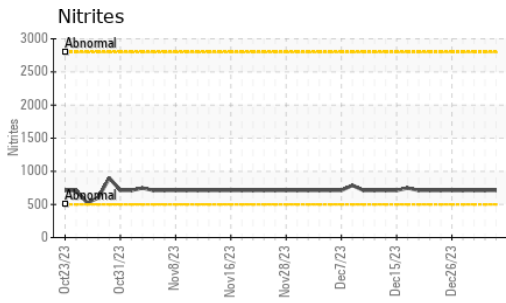
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130	>5	0	0	1
Chlorine	ppm	ASTM D6130		12	15	13
Magnesium	ppm	ASTM D6130	>6	1	1	2
Total Dissolved Solids				357.0	342.0	318.5
Coolant Appearance		*Visual	Clear	normal	normal	normal

COOLANT CONDITION

The carboxylate level of this fluid is acceptable. The glycol level is 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		8.17	8.19	8.12
Nitrites	ppm	AP-053:2009		712	712	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		50.0	49.4	49.5
Freezing Point	°F	ASTM D3321		-35	-33	-33
Carboxylate				pass	fail	fail
Silicon	ppm	ASTM D6130	0	0	0	0
Phosphorus	ppm	ASTM D6130	0	<1	0	0
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	950	685	593	657
Sodium	ppm	ASTM D6130		4090	3607	3744
Potassium	ppm	ASTM D6130		37	4	1
Coolant Color		*Visual		Red	Red	Red



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0895232 **Received** : 10 Jan 2024
Lab Number : 06057118 **Diagnosed** : 12 Jan 2024
Unique Number : 10823067 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, 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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