



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		WC0895231	WC0895227	WC0895226
Sample Date		Client Info		09 Jan 2024	05 Jan 2024	04 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	SEVERE

CORROSION

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

Iron	ppm	ASTM D6130	>2	<1	0	0
Aluminum	ppm	ASTM D6130	>2	0	<1	<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	1	1

CONTAMINANTS

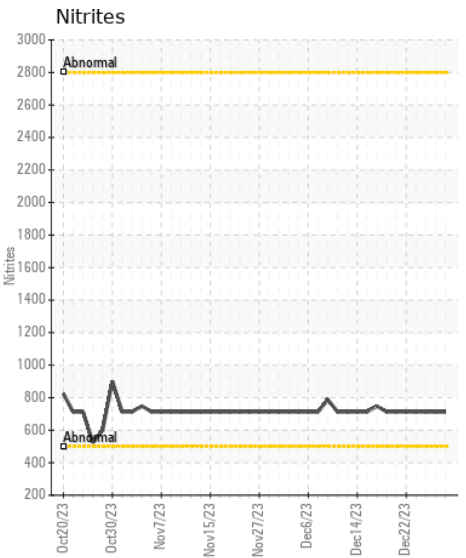
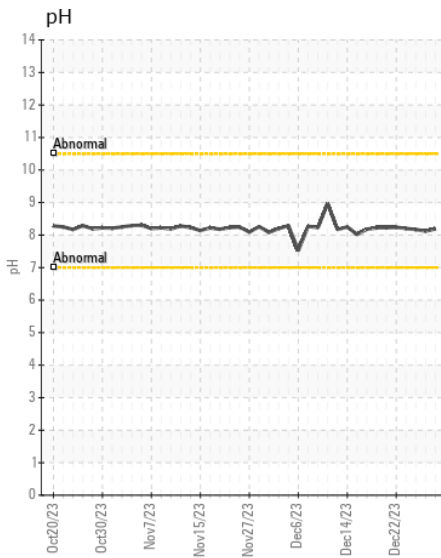
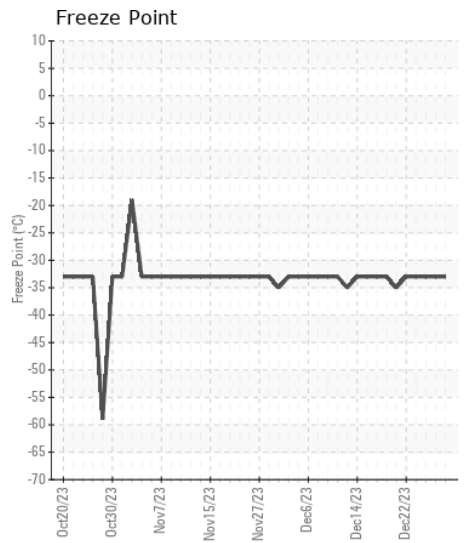
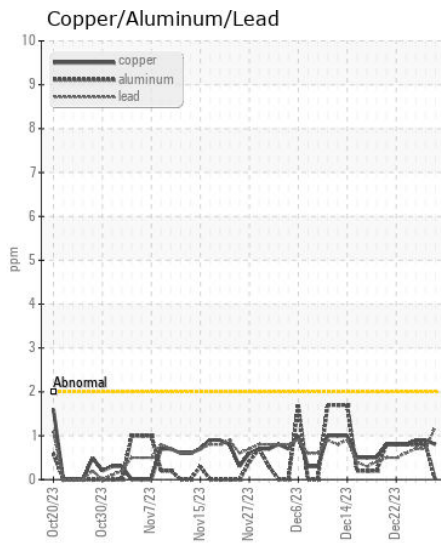
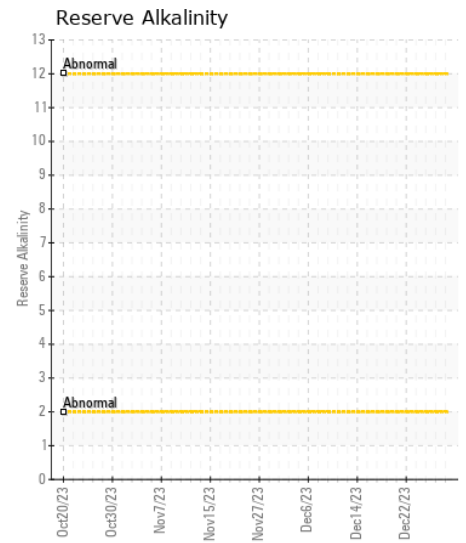
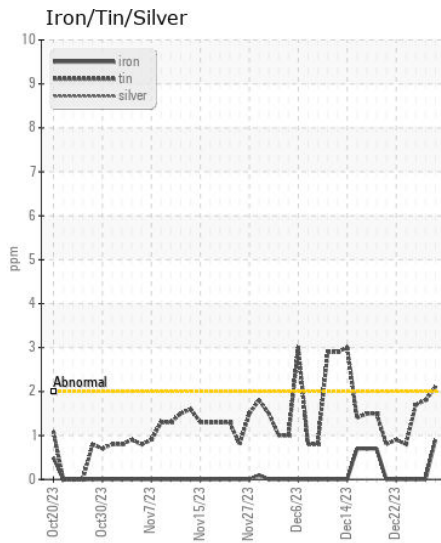
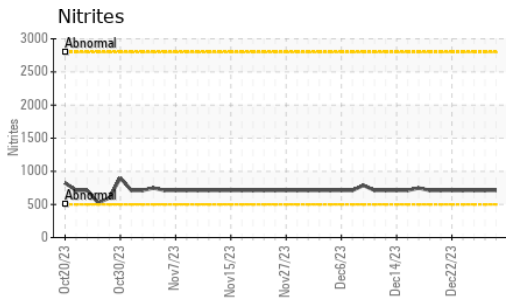
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130	>5	0	1	1
Chlorine	ppm	ASTM D6130		15	13	7
Magnesium	ppm	ASTM D6130	>6	1	2	2
Total Dissolved Solids				342.0	318.5	339.0
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.

Specific Gravity		*ASTM D1298		1.067	1.067	1.067
pH	Scale 0-14	ASTM D1287		8.19	8.12	8.17
Nitrites	ppm	AP-053:2009		712	712	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		49.4	49.5	49.6
Freezing Point	°F	ASTM D3321		-33	-33	-33
Carboxylate				fail	fail	fail
Silicon	ppm	ASTM D6130	0	0	0	0
Phosphorus	ppm	ASTM D6130	0	0	0	0
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	950	593	657	667
Sodium	ppm	ASTM D6130		3607	3744	3868
Potassium	ppm	ASTM D6130		4	1	4
Coolant Color		*Visual		Red	Red	Red



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0895231 **Received** : 09 Jan 2024
Lab Number : 06056118 **Diagnosed** : 11 Jan 2024
Unique Number : 10822067 **Diagnostician** : Doug Bogart
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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