



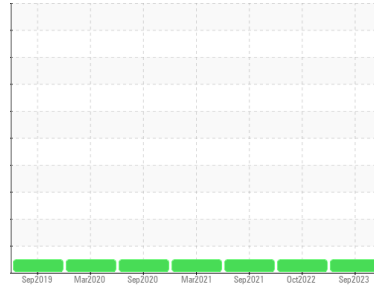
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
KANSAS/44/EG - OTHER SERVICE
 Machine Id
63.94 [KANSAS^44^EG - OTHER SERVICE]
 Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service.

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0821501	WC0673629	WC0616569
Sample Date	Client Info		29 Sep 2023	03 Oct 2022	14 Sep 2021
Machine Age	hrs	Client Info	0	187070	136
Oil Age	hrs	Client Info	23716	361	4069
Oil Changed		Client Info	Not Changed	Not Changed	N/A
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.067	1.067	---
pH	Scale 0-14	ASTM D1287	8.15	8.08	8.11
Nitrites	ppm	AP-053:2009	636	788	676
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	49.8	49.9	52
Freezing Point	°F	ASTM D3321	-33	-33	-43
Total Dissolved Solids			321.5	375.0	480.0
Carboxylate			fail	fail	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	<1	45	60
Phosphorus	ppm	ASTM D6130	0	5	34	28
Boron	ppm	ASTM D6130	0	0	45	63
Molybdenum	ppm	ASTM D6130	950	642	978	898

CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	0	0	<1
Aluminum	ppm	ASTM D6130	>10	<1	<1	<1
Copper	ppm	ASTM D6130	>10	0	1	<1
Lead	ppm	ASTM D6130	>10	0	<1	<1
Tin	ppm	ASTM D6130	>10	0	<1	<1
Zinc	ppm	ASTM D6130		0	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		1	19	39

CARRIER SALTS

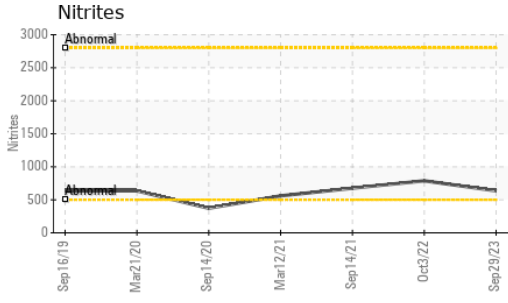
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		3792	4712	3134
Potassium	ppm	ASTM D6130		68	1148	931

SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<1	5	4
Magnesium	ppm	ASTM D6130		<1	5	5

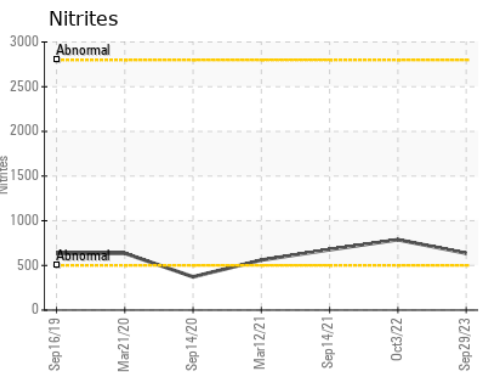
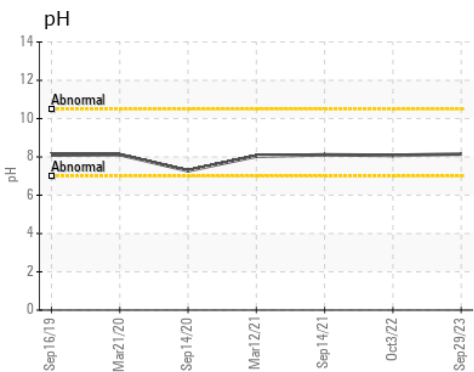
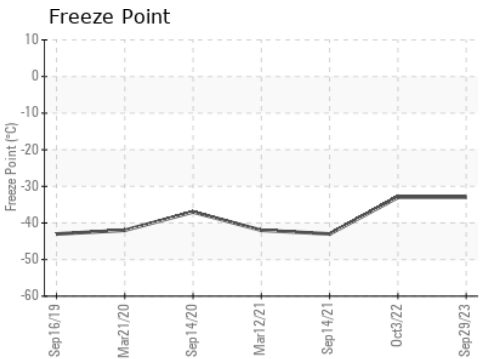
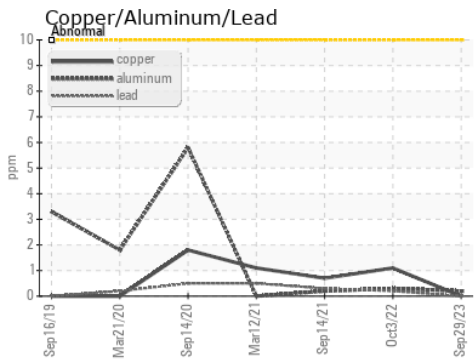
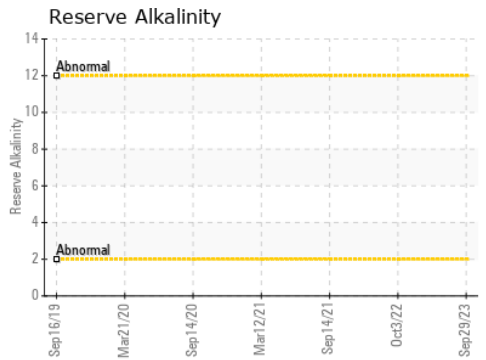
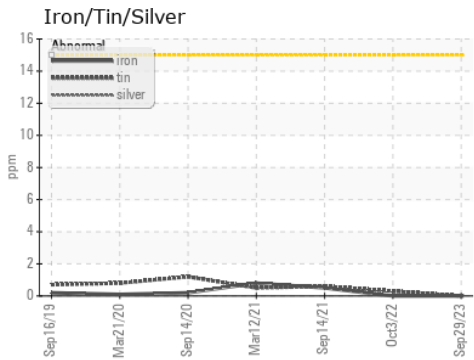


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Red	Orange
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0821501 **Received** : 13 Oct 2023
Lab Number : 05978585 **Diagnosed** : 18 Oct 2023
Unique Number : 10695880 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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 WICHITA, KS
 US 67213
 Contact: DOUG KING
 doug.king@sherwood.net
 T: (316)617-3161
 F: x:

Certificate L2367
 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)