



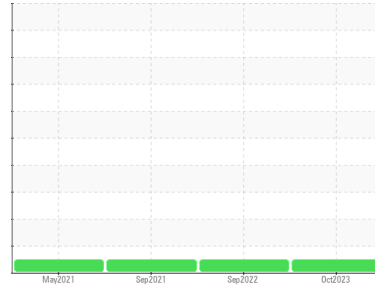
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
KANSAS/88/HY - MOBILE EQUIPMENT
 Machine Id
20.103C [KANSAS^88^HY - MOBILE EQUIPMENT]
 Component
Coolant
 Fluid
CATERPILLAR 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		WC0833794	WC0712321	WC0621057
Sample Date	Client Info		06 Oct 2023	19 Sep 2022	27 Sep 2021
Machine Age	hrs	Client Info	4102	3570	1410
Oil Age	hrs	Client Info	4102	3570	3448
Oil Changed		Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.067	1.062	---
pH	Scale 0-14 ASTM D1287		7.88	8.00	7.92
Nitrites	ppm AP-053:2009		748	524	300
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		49.3	45.7	46
Freezing Point	°F ASTM D3321		-33	-24	-28
Total Dissolved Solids			393.0	323.5	362.5
Carboxylate			fail	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<1	18	22
Phosphorus	ppm ASTM D6130	0	45	0	0
Boron	ppm ASTM D6130	0	0	3	3
Molybdenum	ppm ASTM D6130	950	624	986	995

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	0	0	2
Aluminum	ppm ASTM D6130	>10	<1	2	4
Copper	ppm ASTM D6130	>10	0	4	<1
Lead	ppm ASTM D6130	>10	0	<1	0
Tin	ppm ASTM D6130	>10	0	<1	0
Zinc	ppm ASTM D6130		0	7	2

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		1	23	29

CARRIER SALTS

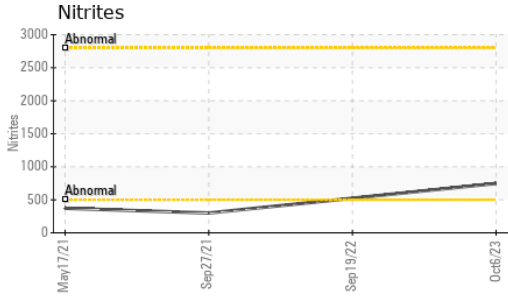
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		3797	3034	3630
Potassium	ppm ASTM D6130		779	72	874

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		<1	9	6
Magnesium	ppm ASTM D6130		<1	6	2

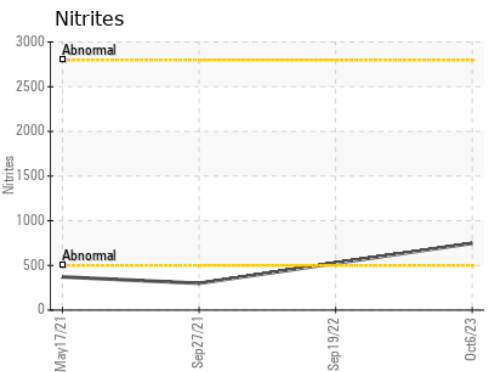
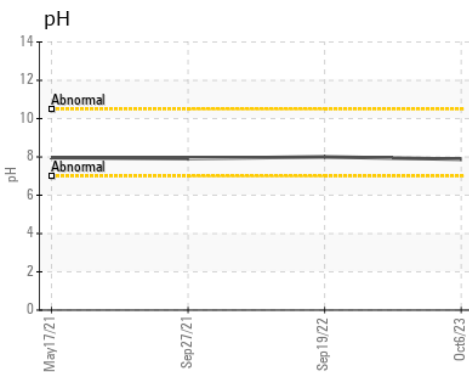
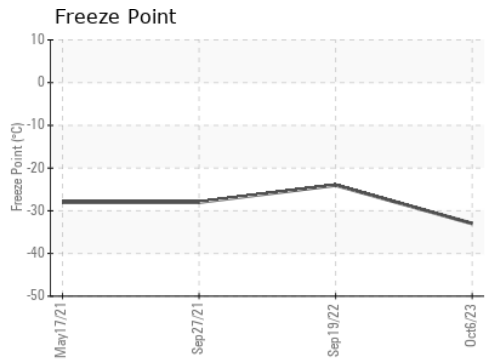
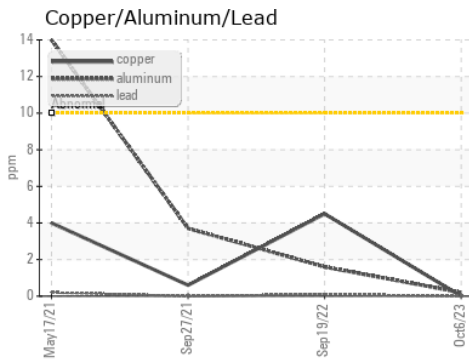
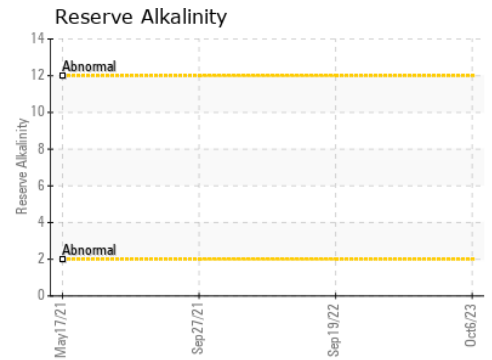
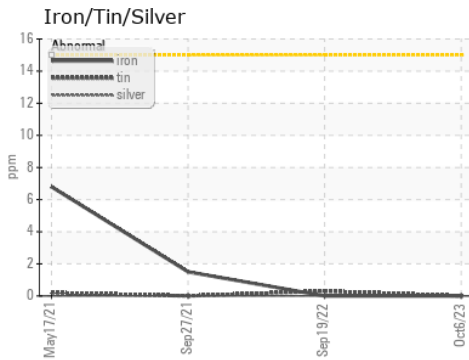


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0833794 **Received** : 13 Oct 2023
Lab Number : 05978587 **Diagnosed** : 18 Oct 2023
Unique Number : 10695882 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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 US 67213
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 doug.king@sherwood.net
 T: (316)617-3161
 F: x:

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)