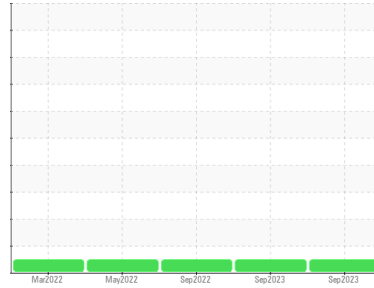




COOLANT REPORT

Area
KANSAS/44
 Machine Id
76.36L [KANSAS^44]
 Component
Coolant
 Fluid
CATERPILLAR ELC (11 GAL)

Sample Rating Trend



NORMAL



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		WC0848976	WC0848966	WC0673590
Sample Date	Client Info		15 Sep 2023	14 Sep 2023	19 Sep 2022
Machine Age	hrs	Client Info	1642	1623	476
Oil Age	hrs	Client Info	1642	1000	12566
Oil Changed		Client Info	N/A	N/A	Not Changd
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.069	1.069	1.068
pH	Scale 0-14	ASTM D1287	7.42	7.44	7.68
Nitrites	ppm	AP-053:2009	488	412	448
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	51.3	51.4	50.9
Freezing Point	°F	ASTM D3321	-38	-38	-35
Total Dissolved Solids			369.5	397.0	344.0
Carboxylate			fail	pass	fail

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	115	116	130
Phosphorus	ppm	ASTM D6130	0	2	2	54
Boron	ppm	ASTM D6130	0	8	8	0
Molybdenum	ppm	ASTM D6130	950	1098	1103	1200

CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	<1	<1	0
Aluminum	ppm	ASTM D6130	>10	<1	1	<1
Copper	ppm	ASTM D6130	>10	6	6	3
Lead	ppm	ASTM D6130	>10	<1	<1	0
Tin	ppm	ASTM D6130	>10	<1	<1	0
Zinc	ppm	ASTM D6130		3	2	0

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		23	21	8

CARRIER SALTS

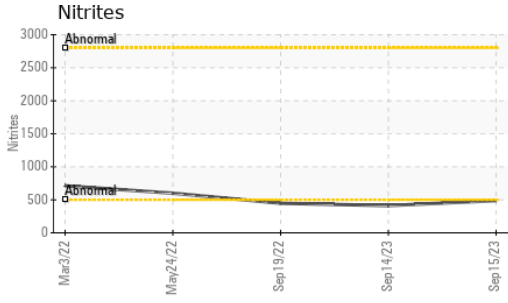
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		5806	5682	3249
Potassium	ppm	ASTM D6130		483	476	245

SCALE POTENTIAL

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

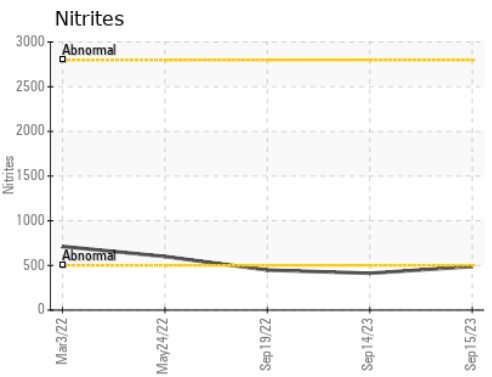
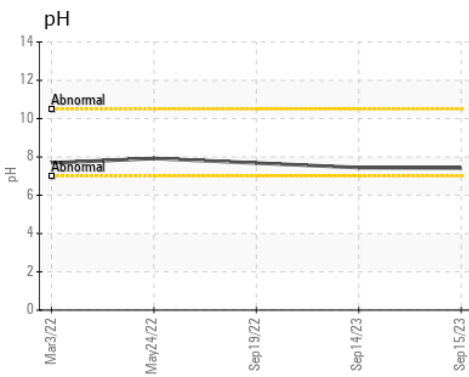
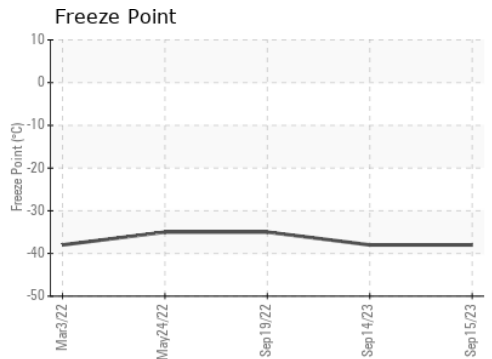
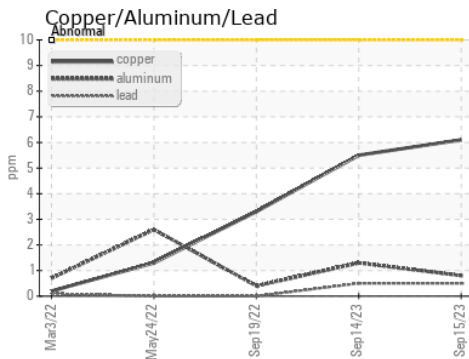
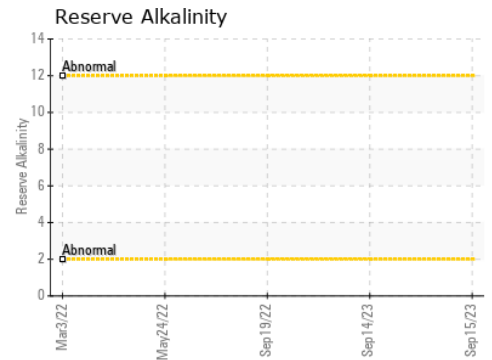
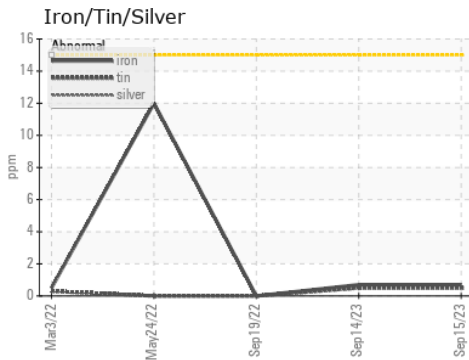


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0848976 **Received** : 22 Sep 2023
Lab Number : 05958926 **Diagnosed** : 26 Sep 2023
Unique Number : 10660139 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 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)