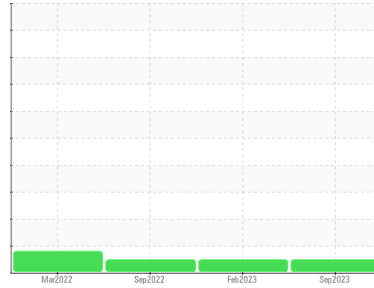




COOLANT REPORT

Area
KANSAS/44
Machine Id
76.35L [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. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0848972	WC0741735	WC0673632
Sample Date	Client Info		15 Sep 2023	27 Feb 2023	22 Sep 2022
Machine Age	hrs	Client Info	1983	1141	755
Oil Age	hrs	Client Info	1100	1141	755
Oil Changed		Client Info	N/A	Not Changd	Not Changd
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.069	1.068	1.068
pH	Scale 0-14 ASTM D1287		7.61	7.71	7.73
Nitrites	ppm AP-053:2009		372	600	448
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		51.3	50.9	50.6
Freezing Point	°F ASTM D3321		-38	-35	-35
Total Dissolved Solids			386.5	386.0	349.0
Carboxylate			fail	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	108	180	175
Phosphorus	ppm ASTM D6130	0	0	101	62
Boron	ppm ASTM D6130	0	2	22	0
Molybdenum	ppm ASTM D6130	950	974	1200	1200

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	0	<1	0
Aluminum	ppm ASTM D6130	>10	0	1	<1
Copper	ppm ASTM D6130	>10	4	5	4
Lead	ppm ASTM D6130	>10	0	1	<1
Tin	ppm ASTM D6130	>10	0	2	<1
Zinc	ppm ASTM D6130		0	2	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		14	55	23

CARRIER SALTS

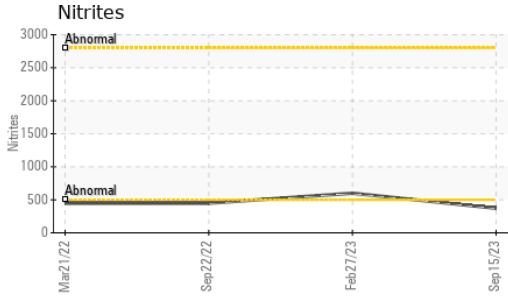
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		5338	6574	3738
Potassium	ppm ASTM D6130		711	1139	444







SCALE POTENTIAL

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

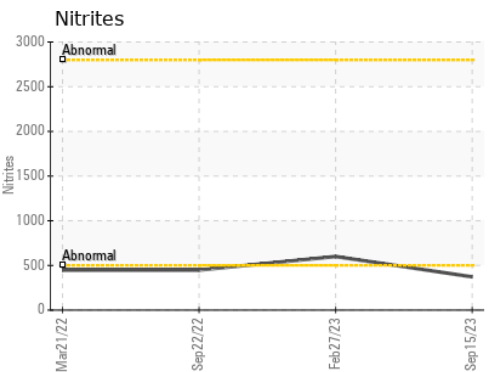
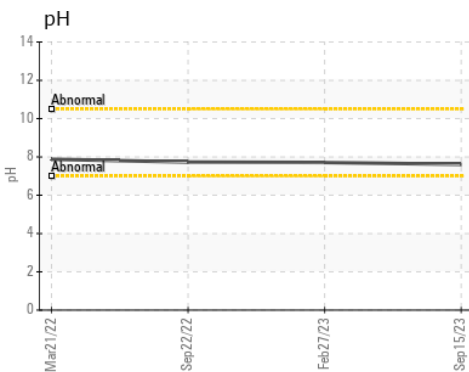
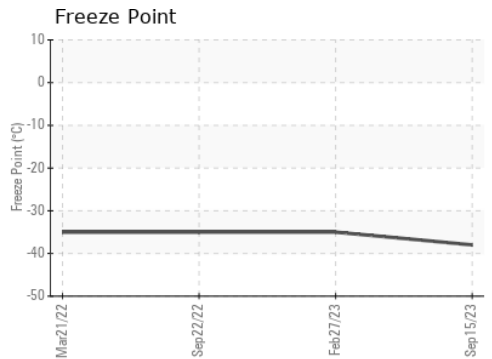
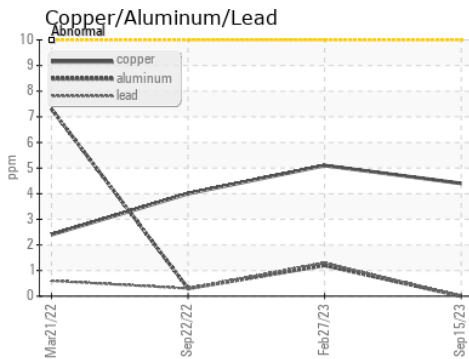
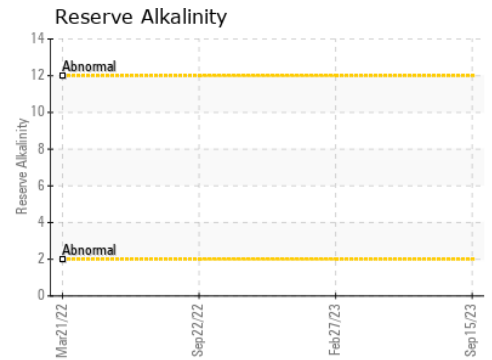
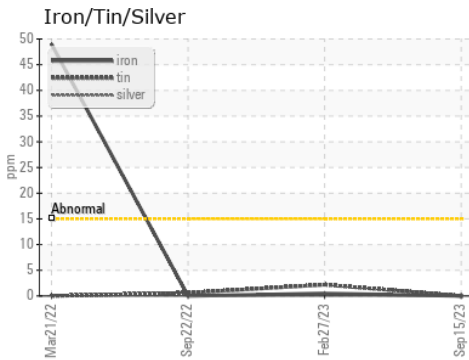


COOLANT REPORT



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. : WC0848972 **Received** : 27 Sep 2023
Lab Number : 05962613 **Diagnosed** : 03 Oct 2023
Unique Number : 10669164 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: RANDY ROBERTS
 randy.roberts@sherwood.net
 T: (316)943-6491
 F:

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)