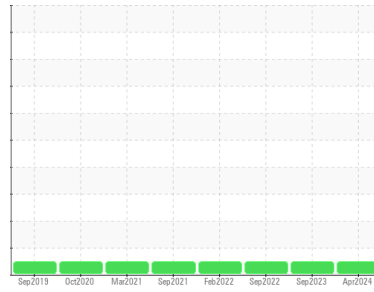




# COOLANT REPORT

Area  
**OKLAHOMA/102/EG - EXCAVATOR**  
 Machine Id  
**20.409L [OKLAHOMA^102^EG - EXCAVATOR]**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (--- 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		<b>WC0886866</b>	WC0848971	WC0738590
Sample Date	Client Info		<b>09 Apr 2024</b>	20 Sep 2023	14 Sep 2022
Machine Age	hrs	Client Info	<b>5752</b>	5119	4133
Oil Age	hrs	Client Info	<b>1000</b>	1200	4133
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>---</b>	---	---
Specific Gravity	*ASTM D1298		<b>1.067</b>	1.068	1.068
pH	Scale 0-14	ASTM D1287	<b>8.16</b>	7.83	8.07
Nitrites	ppm	AP-053:2009	<b>712</b>	560	636
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>49.2</b>	50.1	50.1
Freezing Point	°F	ASTM D3321	<b>-33</b>	-35	-35
Total Dissolved Solids			<b>354.0</b>	348.0	344.5
Carboxylate			<b>fail</b>	fail	pass

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	<b>2</b>	8	17
Phosphorus	ppm	ASTM D6130	0	<b>6</b>	0	34
Boron	ppm	ASTM D6130	0	<b>&lt;1</b>	2	0
Molybdenum	ppm	ASTM D6130	950	<b>686</b>	914	1094

### CORROSION

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

### CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		<b>9</b>	11	5

### CARRIER SALTS

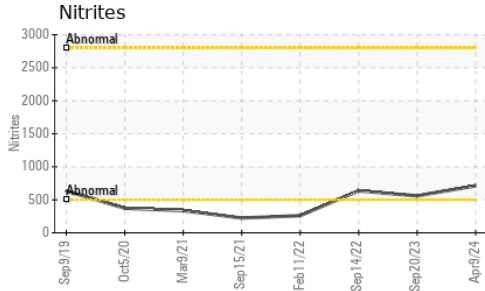
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		<b>3901</b>	5243	3178
Potassium	ppm	ASTM D6130		<b>21</b>	14	32

### SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<b>2</b>	2	5
Magnesium	ppm	ASTM D6130		<b>&lt;1</b>	0	<1

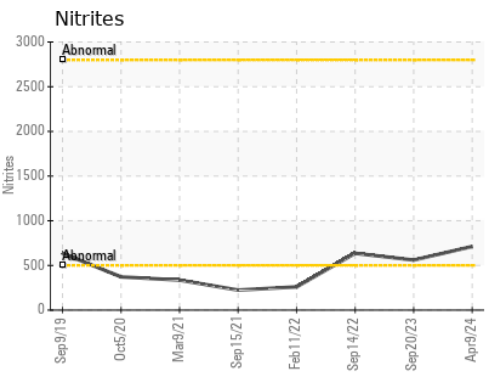
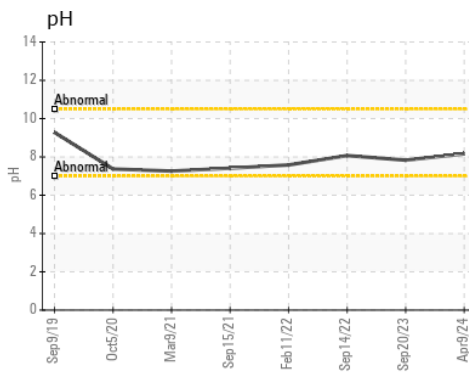
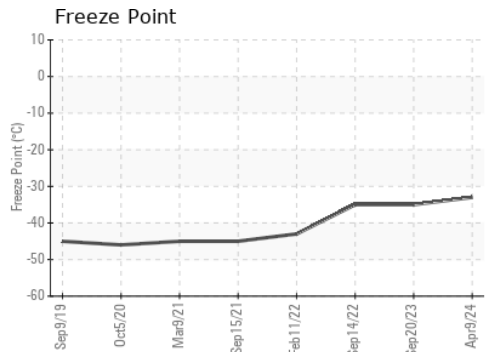
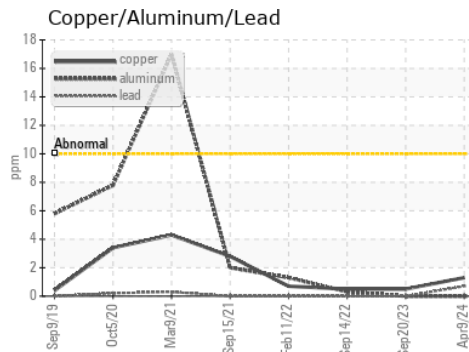
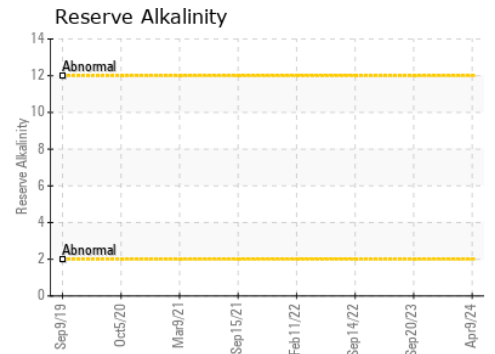
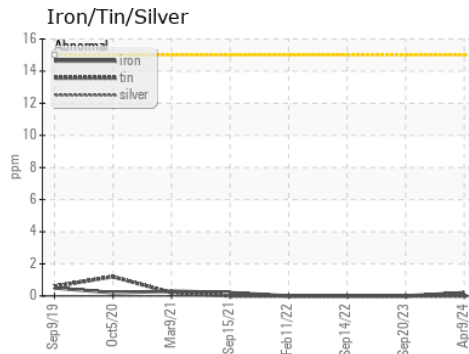


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0886866  
**Lab Number** : 06151427  
**Unique Number** : 10981505  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )  
**Received** : 16 Apr 2024  
**Tested** : 19 Apr 2024  
**Diagnosed** : 19 Apr 2024 - Jonathan Hester

**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:

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)