



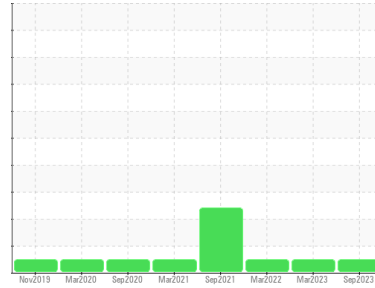
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102/EG - EXCAVATOR**  
 Machine Id  
**20.143L [OKLAHOMA^102^EG - EXCAVATOR]**  
 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	<b>WC0821872</b>	WC0746825	WC0662505
Sample Date	Client Info	<b>09 Sep 2023</b>	13 Mar 2023	07 Mar 2022
Machine Age	hrs	<b>3370</b>	2988	2568
Oil Age	hrs	<b>3780</b>	2988	2568
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	<b>1.068</b>	1.068	1.070
pH	Scale 0-14 ASTM D1287	<b>7.51</b>	7.68	7.39
Nitrites	ppm AP-053:2009	<b>524</b>	636	224
Reserve Alkalinity	Scale 0-20 *ASTM D1121	<b>---</b>	---	---
Percentage Glycol	% ASTM D3321	<b>50.4</b>	50.4	52.4
Freezing Point	°F ASTM D3321	<b>-35</b>	-35	-40
Total Dissolved Solids		<b>305.5</b>	315.0	363.0
Carboxylate		<b>fail</b>	pass	pass

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	<b>21</b>	22	24
Phosphorus	ppm ASTM D6130	<b>0</b>	0	0
Boron	ppm ASTM D6130	<b>8</b>	0	0
Molybdenum	ppm ASTM D6130	<b>969</b>	1200	1004

## CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	<b>&lt;1</b>	0	<1
Aluminum	ppm ASTM D6130	<b>1</b>	<1	2
Copper	ppm ASTM D6130	<b>1</b>	<1	4
Lead	ppm ASTM D6130	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D6130	<b>&lt;1</b>	<1	<1
Zinc	ppm ASTM D6130	<b>&lt;1</b>	<1	26

## CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	<b>14</b>	17	34

## CARRIER SALTS

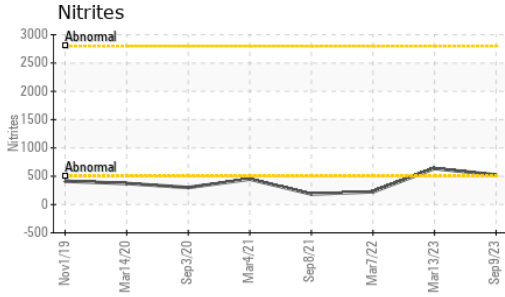
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	<b>5516</b>	6609	3686
Potassium	ppm ASTM D6130	<b>35</b>	36	92

## SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	<b>5</b>	2	7
Magnesium	ppm ASTM D6130	<b>&lt;1</b>	<1	2

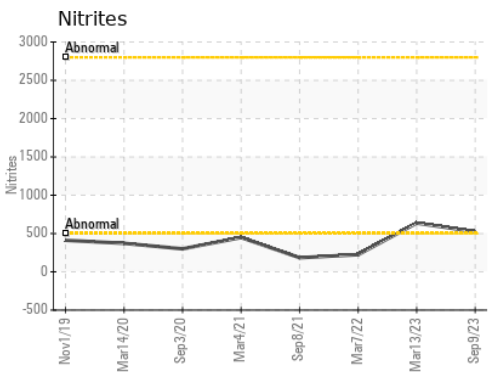
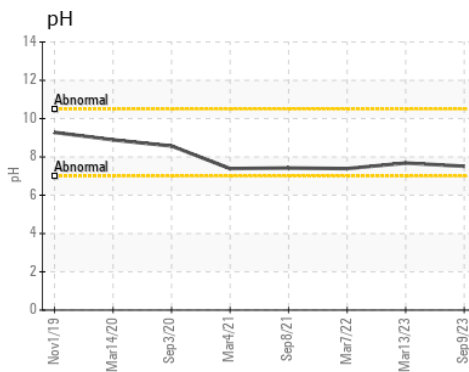
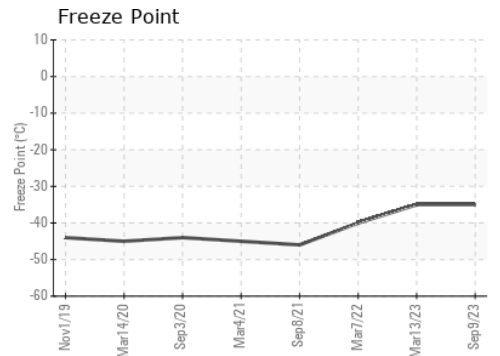
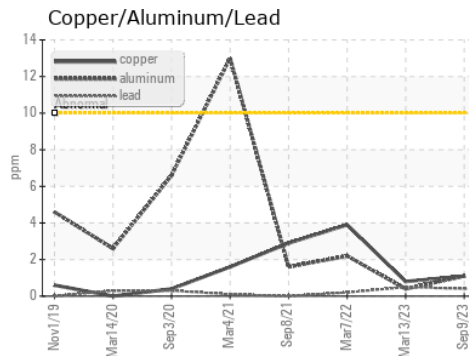
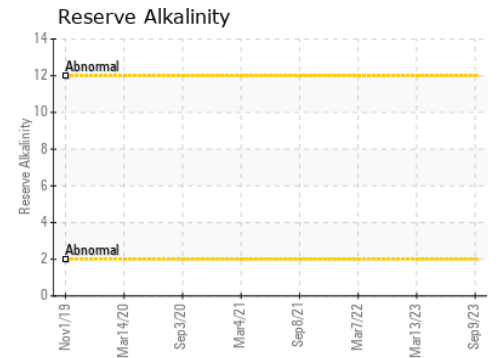
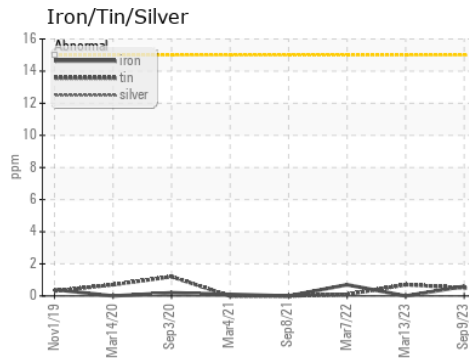


# COOLANT REPORT



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. : WC0821872 Received : 22 Sep 2023  
 Lab Number : 05958924 Diagnosed : 26 Sep 2023  
 Unique Number : 10660137 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:

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)