



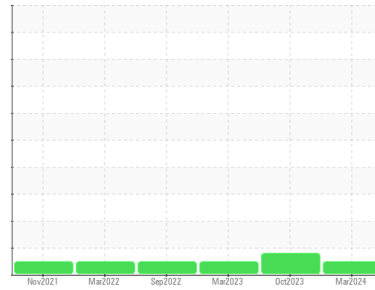
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**COLORADO/443/EG - LOADER**  
 Machine Id  
**45.57L [COLORADO^443^EG - LOADER]**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (9 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. 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>WC0884012</b>	WC0859568	WC0766179
Sample Date	Client Info		<b>13 Mar 2024</b>	09 Oct 2023	01 Mar 2023
Machine Age	hrs	Client Info	<b>3555</b>	3268	2803
Oil Age	hrs	Client Info	<b>3555</b>	3268	2803
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		<b>1.067</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287	<b>7.14</b>	7.05	7.04
Nitrites	ppm	AP-053:2009	<b>488</b>	524	336
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	<b>49.6</b>	49.2	49.4
Freezing Point	°F	ASTM D3321	<b>-33</b>	-33	-33
Total Dissolved Solids			<b>320.0</b>	337.5	322.5
Carboxylate			<b>fail</b>	fail	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	<b>9</b>	<1	34
Phosphorus	ppm	ASTM D6130	0	<b>7</b>	5	0
Boron	ppm	ASTM D6130	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D6130	950	<b>534</b>	549	1143

## CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	<b>2</b>	0	0
Aluminum	ppm	ASTM D6130	>10	<b>2</b>	<1	<1
Copper	ppm	ASTM D6130	>10	<b>2</b>	0	2
Lead	ppm	ASTM D6130	>10	<b>1</b>	0	<1
Tin	ppm	ASTM D6130	>10	<b>0</b>	0	<1
Zinc	ppm	ASTM D6130		<b>15</b>	19	36

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		<b>29</b>	3	35

## CARRIER SALTS

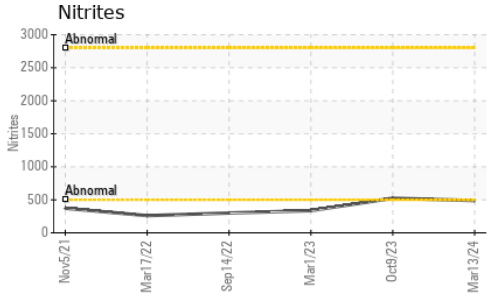
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		<b>3221</b>	3334	6009
Potassium	ppm	ASTM D6130		<b>590</b>	488	1546



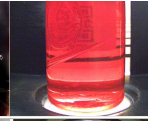


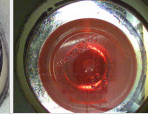
## SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<b>4</b>	1	5
Magnesium	ppm	ASTM D6130		<b>&lt;1</b>	<1	<1

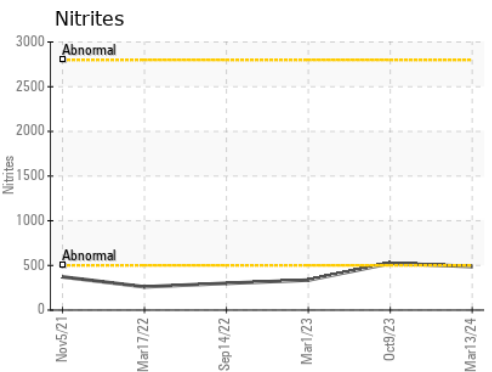
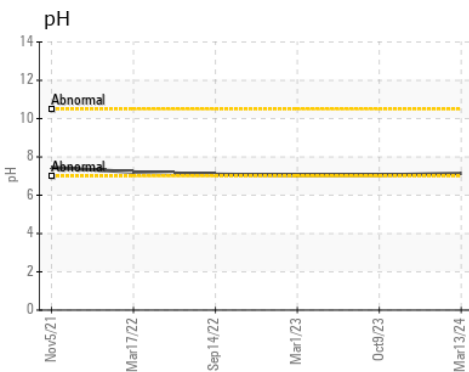
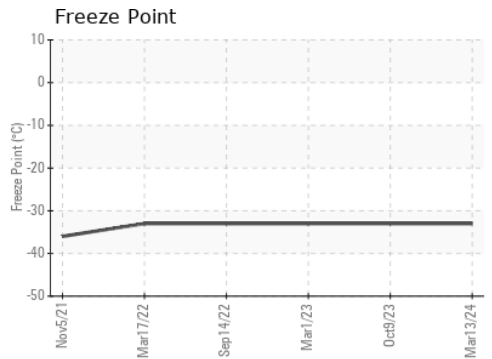
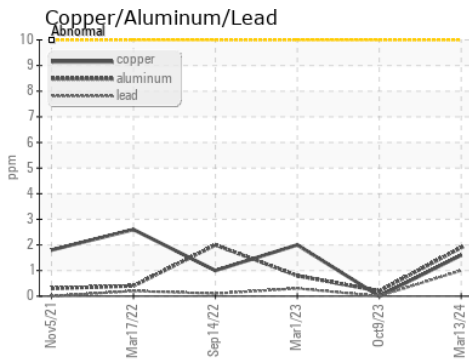
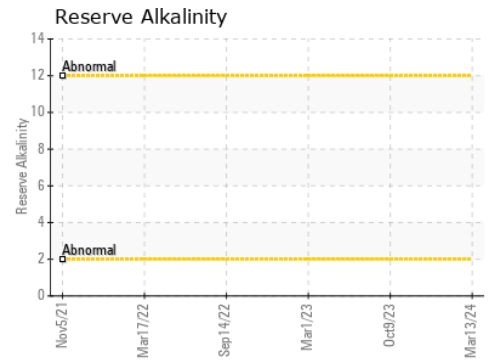
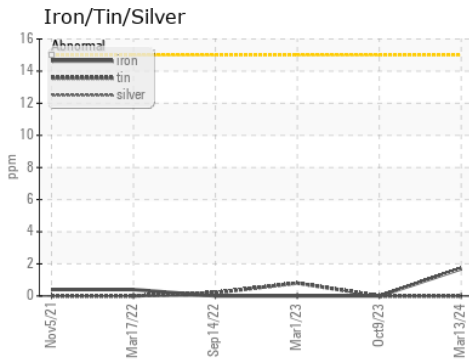


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		<b>Red</b>	Orange	Red
Coolant Appearance	*Visual	Clear	<b>normal</b>	▲ hazy	normal
Color					
Bottom					

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0884012      **Received** : 20 Mar 2024  
**Lab Number** : 06124480      **Tested** : 25 Mar 2024  
**Unique Number** : 10938631      **Diagnosed** : 25 Mar 2024 - Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
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 doug.king@sherwood.net  
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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)