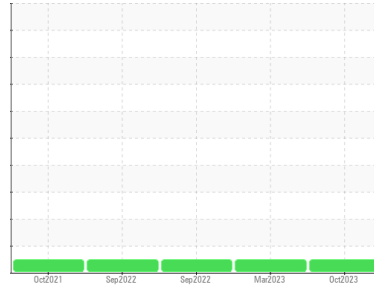




# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/105/EG - TRUCK-ON-HWY-HEAVY DUTY**  
 Machine Id  
**08.103 [OKLAHOMA^105^EG - TRUCK-ON-HWY-HEAVY DUTY]**  
 Component  
**Coolant**  
 Fluid  
**CATERPILLAR ELC (--- GAL)**

## DIAGNOSIS

### Recommendation

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

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>WC0857470</b>	WC0800734	WC0738434
Sample Date	Client Info		<b>23 Oct 2023</b>	27 Mar 2023	26 Sep 2022
Machine Age	hrs	Client Info	<b>12822</b>	11506	10281
Oil Age	hrs	Client Info	<b>12822</b>	11506	10281
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.065</b>	1.073	1.070
pH	Scale 0-14	ASTM D1287	<b>8.11</b>	8.19	8.32
Nitrites	ppm	AP-053:2009	<b>748</b>	488	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>48.6</b>	54.1	52.4
Freezing Point	°F	ASTM D3321	<b>-31</b>	-45	-40
Total Dissolved Solids			<b>321.0</b>	403.5	429.0
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	<b>18</b>	94	53
Phosphorus	ppm	ASTM D6130	0	<b>3</b>	0	0
Boron	ppm	ASTM D6130	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D6130	950	<b>671</b>	1200	1073

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		<b>11</b>	12	0

## CARRIER SALTS

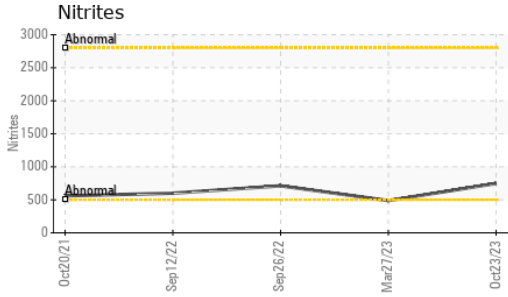
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		<b>3931</b>	6499	4443
Potassium	ppm	ASTM D6130		<b>13</b>	43	75

## SCALE POTENTIAL

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

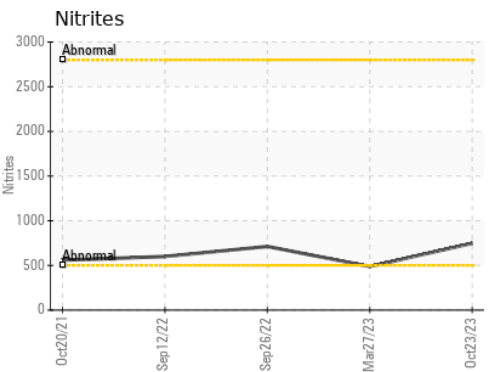
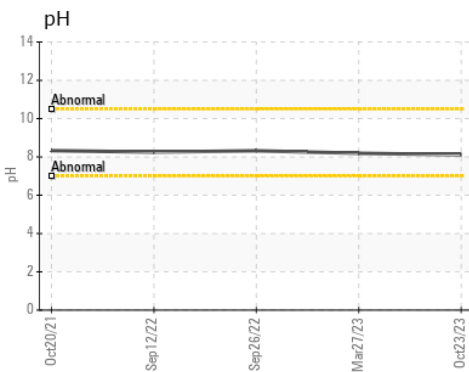
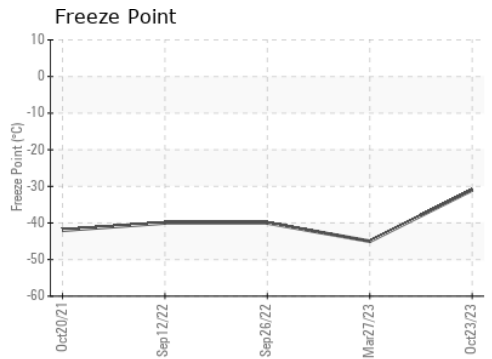
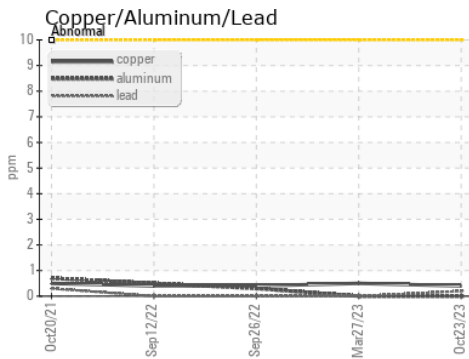
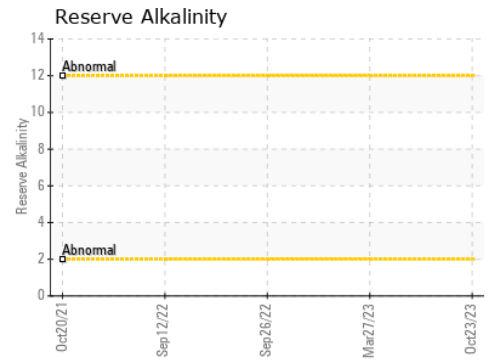
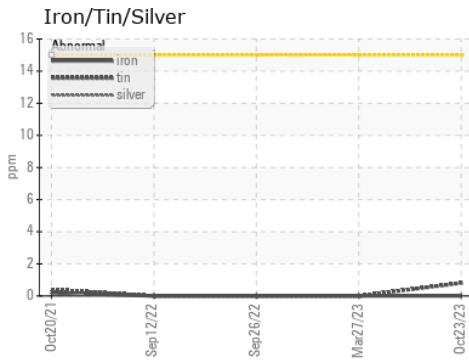


# COOLANT REPORT



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.** : WC0857470 **Received** : 31 Oct 2023  
**Lab Number** : 05994857 **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10723217 **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:

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)