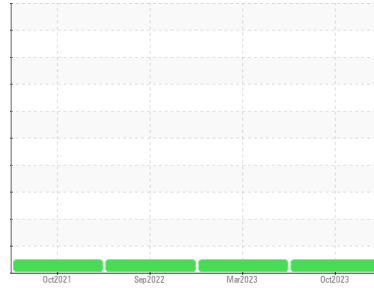




# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/105/EG - TRUCK-ON-HWY-HEAVY DUTY**  
 Machine Id  
**08.111 [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>WC0857469</b>	WC0778369	WC0741097
Sample Date	Client Info			<b>23 Oct 2023</b>	16 Mar 2023	12 Sep 2022
Machine Age	hrs	Client Info		<b>10471</b>	9860	9406
Oil Age	hrs	Client Info		<b>10471</b>	9860	9406
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>1.083</b>	1.072	1.070
pH	Scale 0-14	ASTM D1287		<b>7.96</b>	8.51	8.31
Nitrites	ppm	AP-053:2009		<b>600</b>	600	636
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>63.6</b>	53.6	52.3
Freezing Point	°F	ASTM D3321		<b>-62</b>	-43	-40
Total Dissolved Solids				<b>492.5</b>	387.0	357.0
Carboxylate				<b>fail</b>	pass	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	<b>145</b>	90	58
Phosphorus	ppm	ASTM D6130	0	<b>9</b>	0	0
Boron	ppm	ASTM D6130	0	<b>2</b>	0	0
Molybdenum	ppm	ASTM D6130	950	<b>726</b>	1200	1137

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

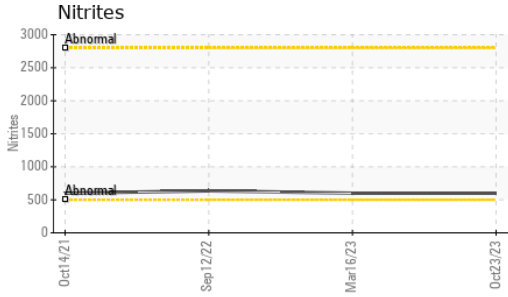
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>31</b>	7	5

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>4907</b>	6313	2770
Potassium	ppm	ASTM D6130		<b>821</b>	196	74

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		<b>3</b>	3	4
Magnesium	ppm	ASTM D6130		<b>2</b>	<1	<1

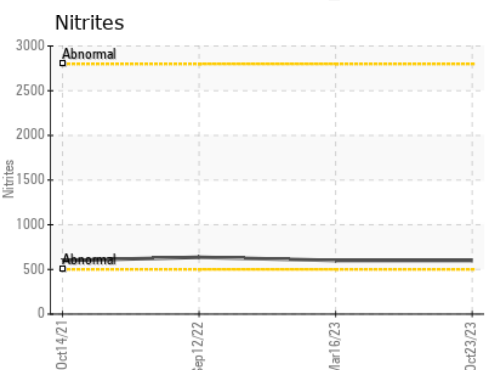
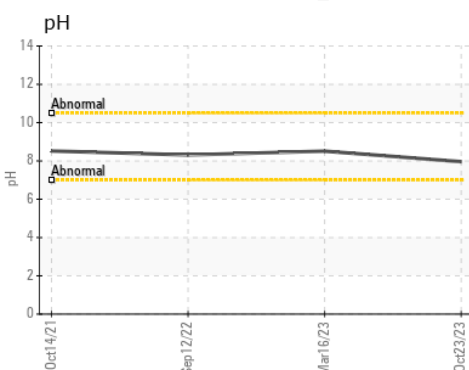
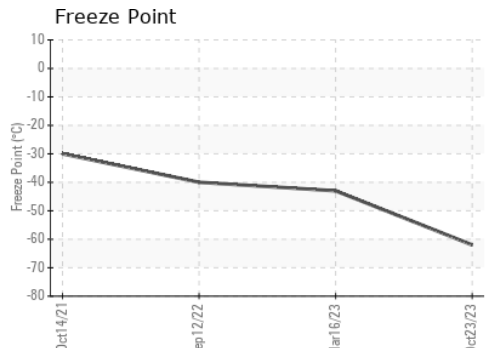
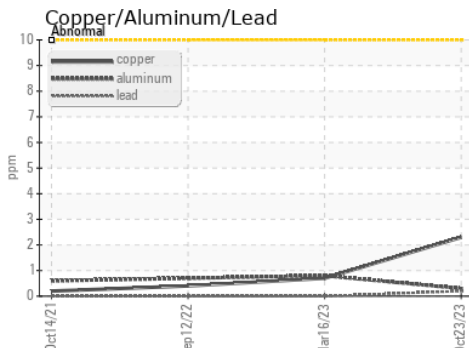
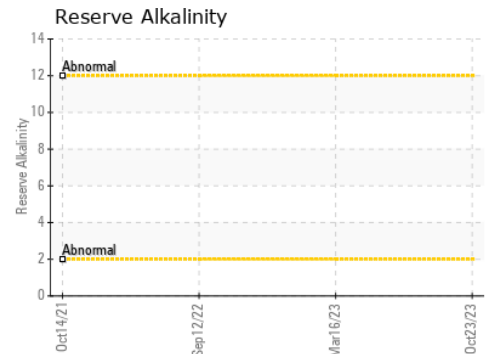
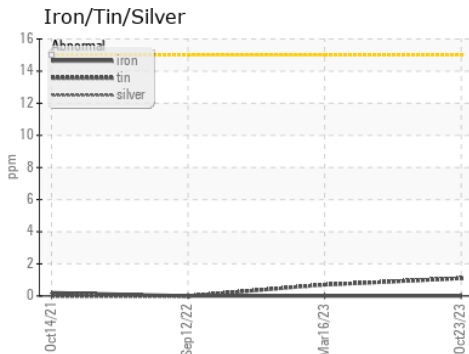


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0857469      **Received** : 31 Oct 2023  
**Lab Number** : 05994853      **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10723213      **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:

Certificate L2367  
 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)