



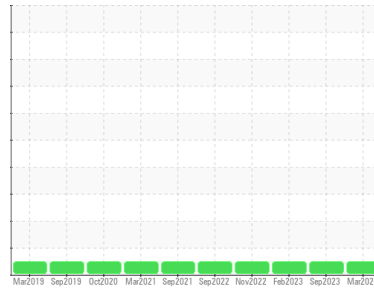
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL**  
 Machine Id  
**69.11 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL]**  
 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. The pH level of this fluid is within the acceptable limits. Glycol and nitrite levels are acceptable.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0914526</b>	WC0807944	WC0792560
Sample Date	Client Info		<b>18 Mar 2024</b>	14 Sep 2023	28 Feb 2023
Machine Age	hrs	Client Info	<b>10727</b>	9670	8507
Oil Age	hrs	Client Info	<b>7089</b>	3919	3638
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	N/A
Sample Status			<b>NORMAL</b>	NORMAL	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>7.73</b>	7.72	7.99
Nitrites	ppm	AP-053:2009	<b>824</b>	372	560
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	<b>49.3</b>	49.4	49.4
Freezing Point	°F	ASTM D3321	<b>-33</b>	-33	-33
Total Dissolved Solids			<b>280.5</b>	308.0	309.5
Carboxylate			<b>fail</b>	fail	fail

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	<b>5</b>	23	18
Phosphorus	ppm	ASTM D6130	0	<b>0</b>	0	0
Boron	ppm	ASTM D6130	0	<b>0</b>	9	4
Molybdenum	ppm	ASTM D6130	950	<b>640</b>	984	1060

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		<b>15</b>	17	34

## CARRIER SALTS

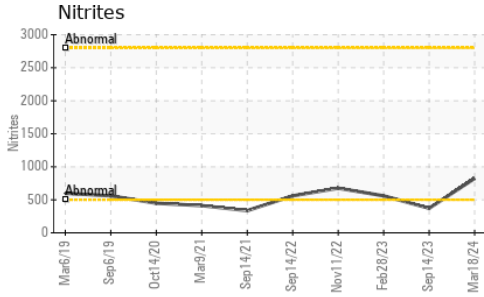
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		<b>4032</b>	5439	4935
Potassium	ppm	ASTM D6130		<b>18</b>	28	29

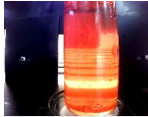

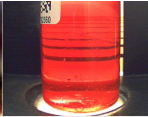


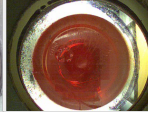
## SCALE POTENTIAL

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

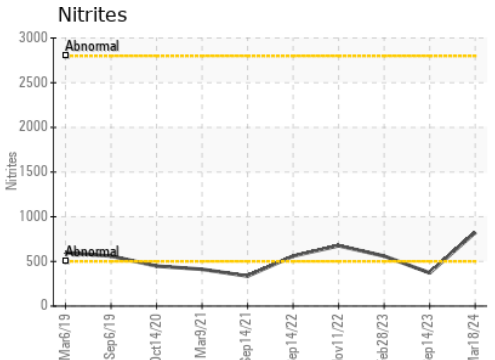
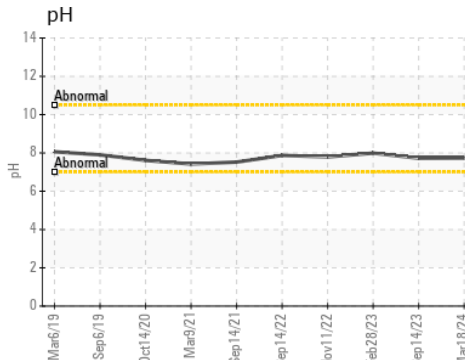
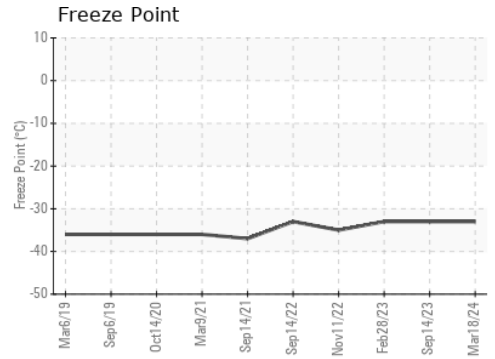
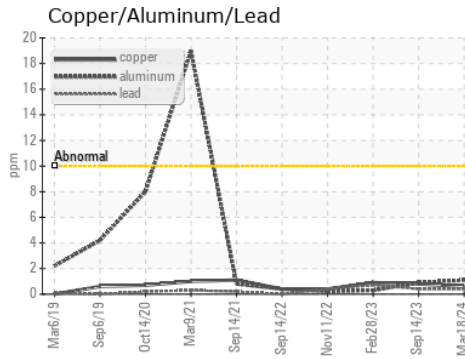
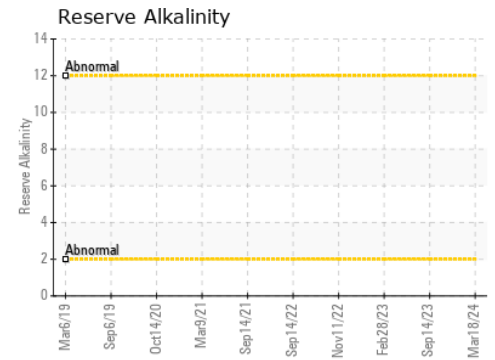
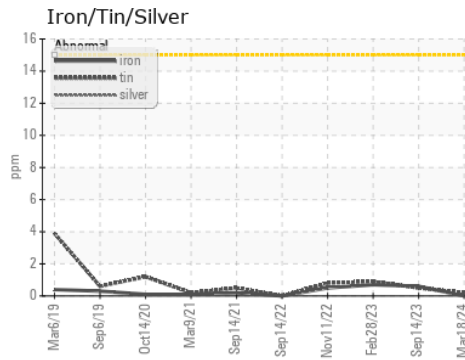


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0914526 **Received** : 05 Apr 2024  
**Lab Number** : **06140451** **Tested** : 10 Apr 2024  
**Unique Number** : 10965259 **Diagnosed** : 10 Apr 2024 - Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
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 WICHITA, KS  
 US 67213  
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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)