



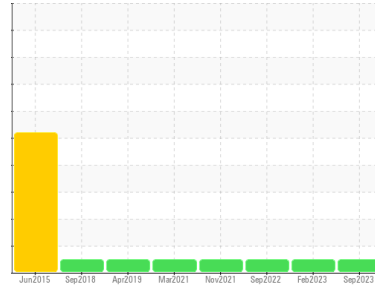
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL**  
 Machine Id  
**69.02 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL]**  
 Component  
**Coolant**  
 Fluid  
**EXTENDED LIFE COOLANT (--- 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>WC0848964</b>	WC0778280	WC0741126	
Sample Date	Client Info	<b>14 Sep 2023</b>	28 Feb 2023	14 Sep 2022	
Machine Age	hrs	Client Info	<b>82752</b>	21769	82752
Oil Age	hrs	Client Info	<b>250</b>	21769	82752
Oil Changed	Client Info	<b>Changed</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>1.067</b>	1.067	1.067
pH	Scale 0-14 ASTM D1287	<b>7.60</b>	7.89	7.79
Nitrites	ppm AP-053:2009	<b>336</b>	676	788
Reserve Alkalinity	Scale 0-20 *ASTM D1121	<b>---</b>	---	---
Percentage Glycol	% ASTM D3321	<b>49.6</b>	49.5	49.2
Freezing Point	°F ASTM D3321	<b>-33</b>	-33	-33
Total Dissolved Solids		<b>335.5</b>	326.5	370.0
Carboxylate		<b>fail</b>	pass	pass

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	<b>25</b>	22	28
Phosphorus	ppm ASTM D6130	<b>0</b>	0	0
Boron	ppm ASTM D6130	<b>8</b>	4	0
Molybdenum	ppm ASTM D6130	<b>1006</b>	1067	1144

## CORROSION

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

## CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	<b>26</b>	41	38

## CARRIER SALTS

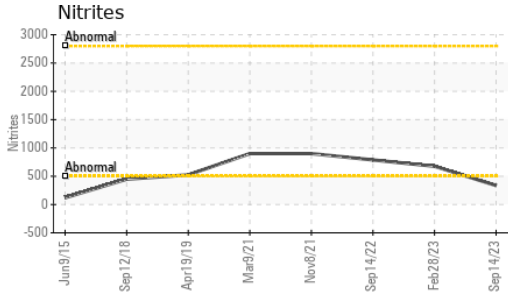
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	<b>5595</b>	5006	2918
Potassium	ppm ASTM D6130	<b>11</b>	24	10

## SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	<b>6</b>	5	3
Magnesium	ppm ASTM D6130	<b>2</b>	1	2

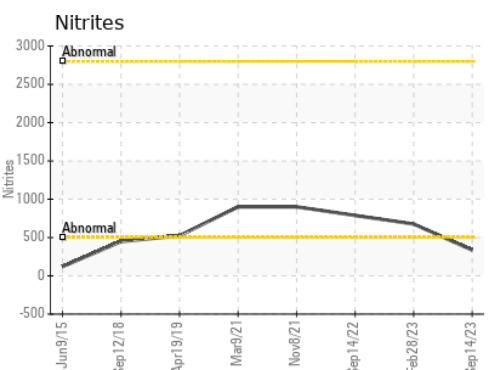
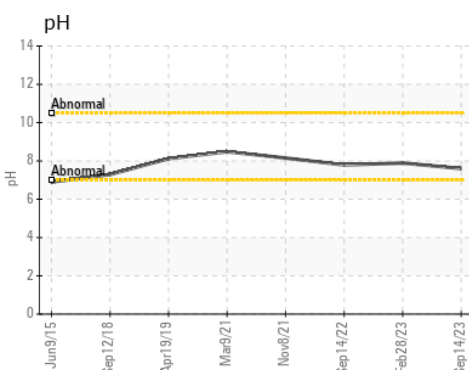
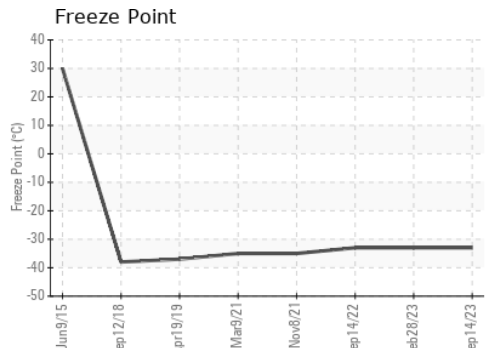
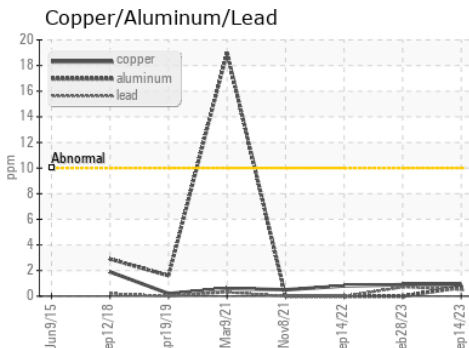
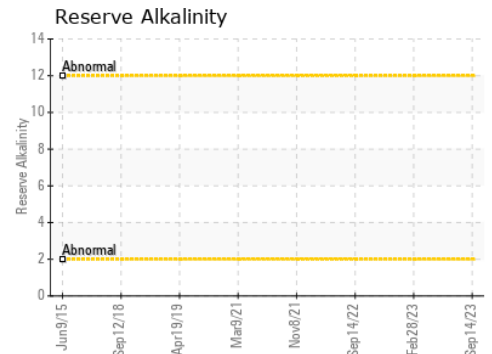
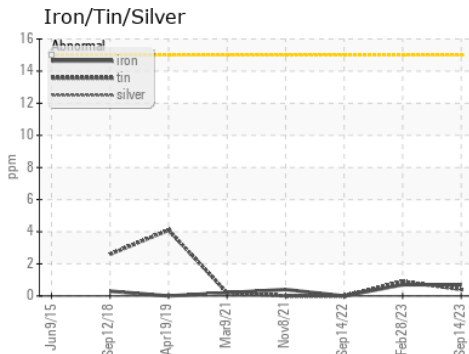


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0848964 **Received** : 22 Sep 2023  
**Lab Number** : 05958906 **Diagnosed** : 26 Sep 2023  
**Unique Number** : 10660119 **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  
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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)