



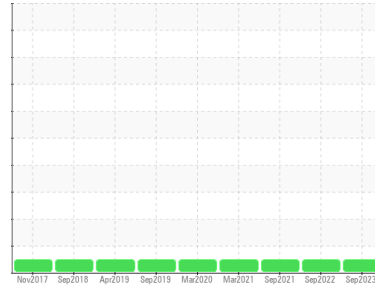
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102/EG - TRUCK-OFF-HWY-HEAVY HAUL**  
 Machine Id  
**69.96L [OKLAHOMA^102^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. ( Customer Sample Comment: 8157 hrs )

### 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>WC0819994</b>	WC0649352	WC0616592
Sample Date	Client Info	<b>18 Sep 2023</b>	13 Sep 2022	08 Sep 2021
Machine Age	hrs Client Info	<b>8157</b>	7464	6799
Oil Age	hrs Client Info	<b>8157</b>	7464	6799
Oil Changed	Client Info	<b>N/A</b>	N/A	Oil Added
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	<b>1.068</b>	1.068	---
pH	Scale 0-14 ASTM D1287	<b>8.22</b>	7.94	7.89
Nitrites	ppm AP-053:2009	<b>712</b>	1760	488
Reserve Alkalinity	Scale 0-20 *ASTM D1121	<b>---</b>	---	---
Percentage Glycol	% ASTM D3321	<b>50.2</b>	50.2	50
Freezing Point	°F ASTM D3321	<b>-35</b>	-35	-38
Total Dissolved Solids		<b>364.0</b>	344.0	355.0
Carboxylate		<b>fail</b>	pass	fail

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	<b>25</b>	27	19
Phosphorus	ppm ASTM D6130	<b>0</b>	0	0
Boron	ppm ASTM D6130	<b>&lt;1</b>	0	0
Molybdenum	ppm ASTM D6130	<b>1050</b>	1068	1033

## CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130 >15	<b>0</b>	0	0
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>0</b>	0	0
Tin	ppm ASTM D6130 >10	<b>0</b>	0	0
Zinc	ppm ASTM D6130	<b>0</b>	0	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	<b>10</b>	12	14

## CARRIER SALTS

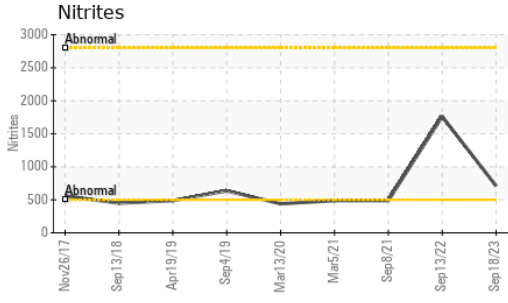
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	<b>6142</b>	3336	3457
Potassium	ppm ASTM D6130	<b>13</b>	13	14

## SCALE POTENTIAL

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

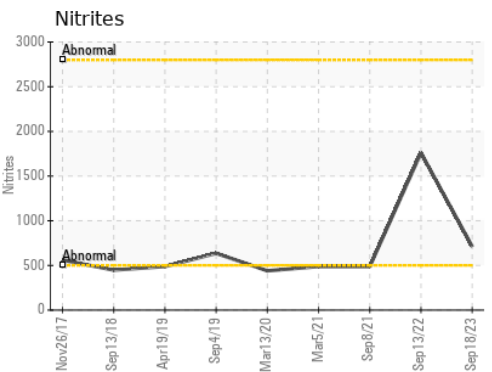
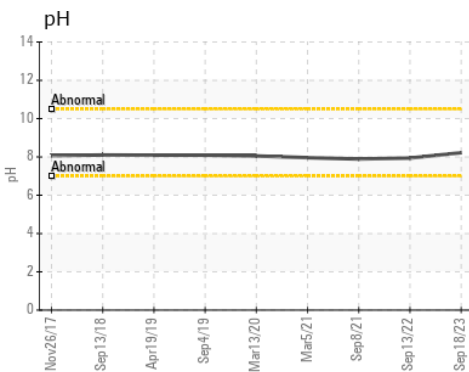
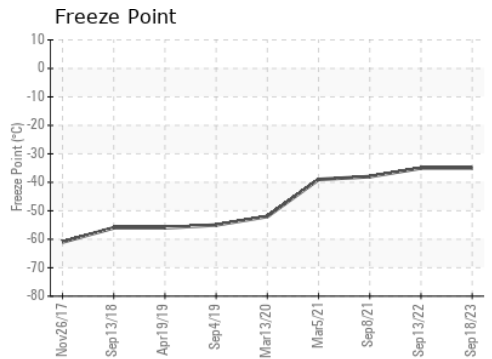
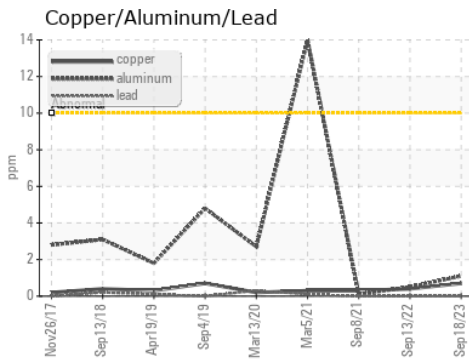
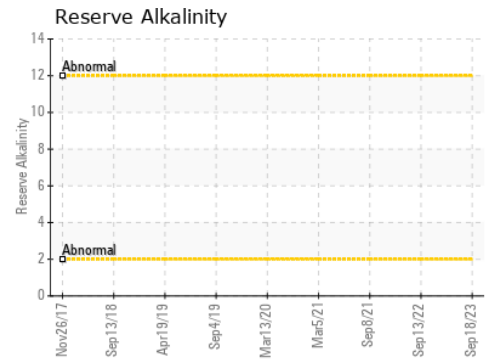
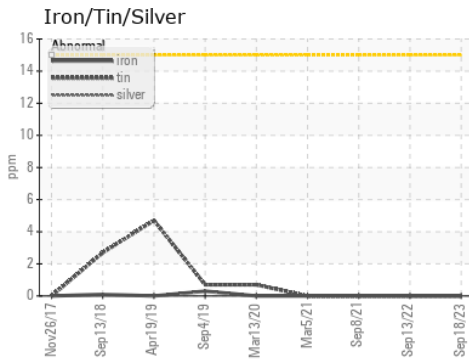


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0819994 **Received** : 25 Sep 2023  
**Lab Number** : 05960291 **Diagnosed** : 28 Sep 2023  
**Unique Number** : 10661504 **Diagnostician** : Doug Bogart  
**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)