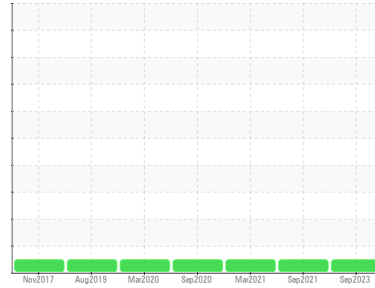




# COOLANT REPORT

Sample Rating Trend



**NORMAL**



Area  
**OKLAHOMA/102/EG - PAVING EQUIPMENT**  
 Machine Id  
**87.26 [OKLAHOMA^102^EG - PAVING EQUIPMENT]**  
 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. The glycol level is 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>WC0857376</b>	WC0622733	WC0527860
Sample Date	Client Info		<b>22 Sep 2023</b>	21 Sep 2021	11 Mar 2021
Machine Age	hrs	Client Info	<b>2901</b>	10736	2008
Oil Age	hrs	Client Info	<b>1000</b>	6206	0
Oil Changed	Client Info		<b>Not Chngd</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>	---	---
pH	Scale 0-14 ASTM D1287		<b>9.06</b>	9.20	9.24
Nitrites	ppm AP-053:2009		<b>600</b>	976	224
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>48.6</b>	47	46
Freezing Point	°F ASTM D3321		<b>-31</b>	-30	-28
Total Dissolved Solids			<b>371.0</b>	355.0	338.0
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130		<b>12</b>	38	47
Phosphorus	ppm ASTM D6130		<b>&lt;1</b>	1	2
Boron	ppm ASTM D6130		<b>11</b>	4	4
Molybdenum	ppm ASTM D6130		<b>581</b>	12	31

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>12</b>	14	26

## CARRIER SALTS

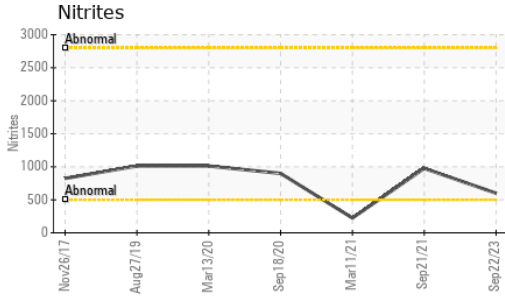
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>3455</b>	3550	3149
Potassium	ppm ASTM D6130		<b>96</b>	366	65

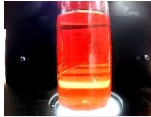

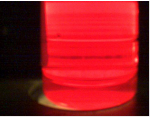

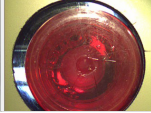
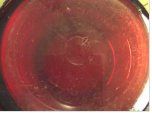
## SCALE POTENTIAL

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

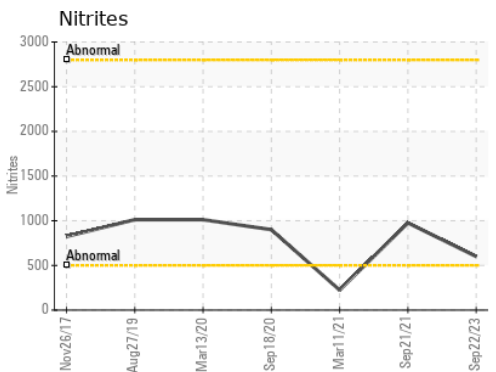
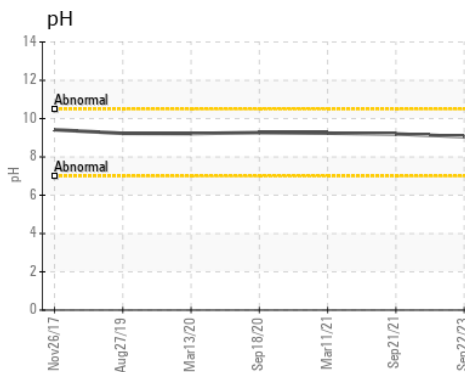
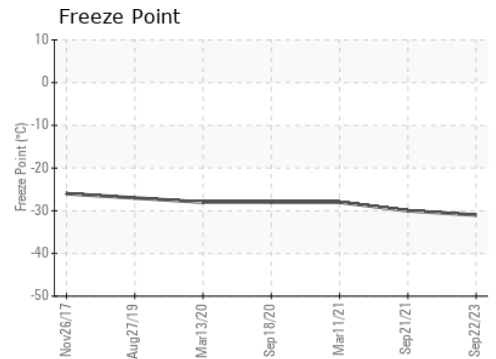
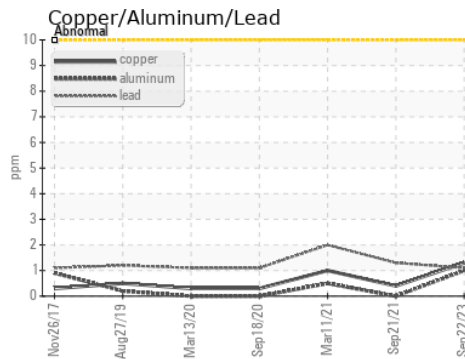
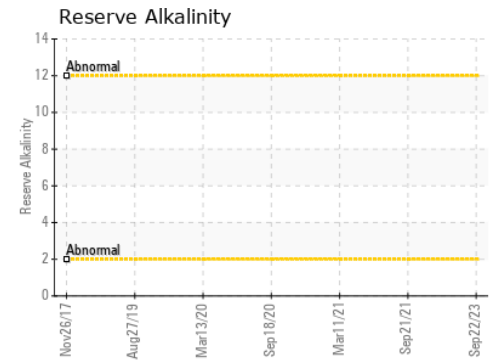
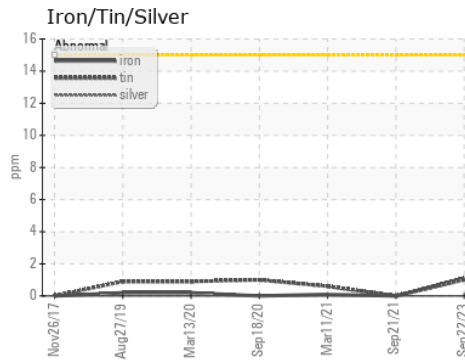


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0857376 **Received** : 28 Sep 2023  
**Lab Number** : 05963908 **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10670459 **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:

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)