

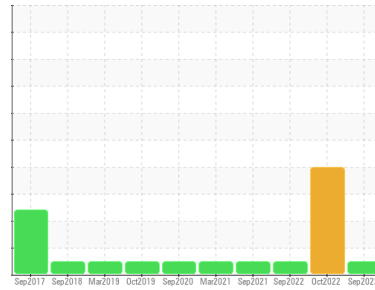


# COOLANT REPORT



Area  
**OKLAHOMA/102/EG - MOTOR GRADER**  
 Machine Id  
**78.67 [OKLAHOMA^102^EG - MOTOR GRADER]**  
 Component  
**Coolant**  
 Fluid  
**EXTENDED LIFE COOLANT (--- GAL)**

Sample Rating Trend



**NORMAL**



## 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>WC0849021</b>	WC0741251	WC0738452
Sample Date	Client Info	<b>12 Sep 2023</b>	18 Oct 2022	17 Sep 2022
Machine Age	hrs	<b>15780</b>	15298	15207
Oil Age	hrs	<b>600</b>	15298	15207
Oil Changed	Client Info	<b>N/A</b>	Not Changd	N/A
Sample Status		<b>NORMAL</b>	ABNORMAL	NORMAL

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	<b>1.067</b>	1.042	1.067
pH	Scale 0-14 ASTM D1287	<b>7.59</b>	▲ 6.91	7.80
Nitrites	ppm AP-053:2009	<b>448</b>	560	448
Reserve Alkalinity	Scale 0-20 *ASTM D1121	<b>---</b>	---	---
Percentage Glycol	% ASTM D3321	<b>49.7</b>	▲ 31.4	49.8
Freezing Point	°F ASTM D3321	<b>-33</b>	3	-33
Total Dissolved Solids		<b>355.5</b>	248.5	319.5
Carboxylate		<b>fail</b>	fail	pass

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	<b>21</b>	27	19
Phosphorus	ppm ASTM D6130	<b>0</b>	0	0
Boron	ppm ASTM D6130	<b>9</b>	<1	1
Molybdenum	ppm ASTM D6130	<b>1022</b>	676	1125

## CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15 <b>&lt;1</b>	0	0
Aluminum	ppm ASTM D6130	>10 <b>&lt;1</b>	<1	<1
Copper	ppm ASTM D6130	>10 <b>1</b>	1	<1
Lead	ppm ASTM D6130	>10 <b>&lt;1</b>	0	<1
Tin	ppm ASTM D6130	>10 <b>&lt;1</b>	0	<1
Zinc	ppm ASTM D6130	>10 <b>&lt;1</b>	37	<1

## CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	<b>15</b>	25	11

## CARRIER SALTS

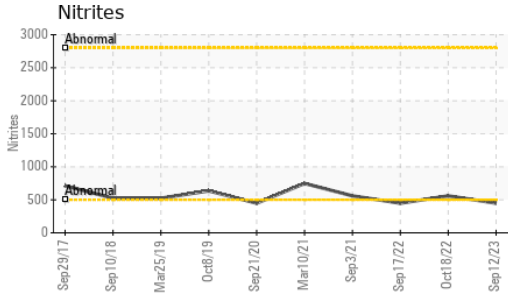
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	<b>5636</b>	4225	3229
Potassium	ppm ASTM D6130	<b>17</b>	378	43

## SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	<b>5</b>	19	9
Magnesium	ppm ASTM D6130	<b>2</b>	8	2

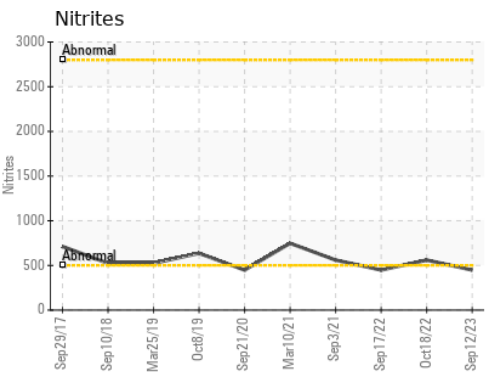
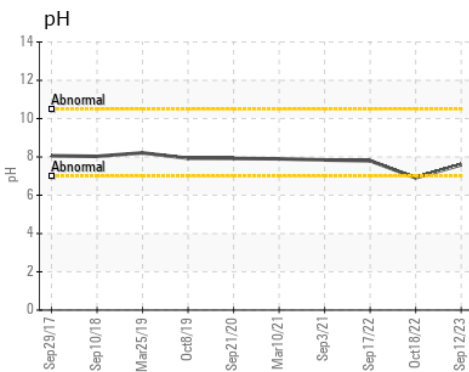
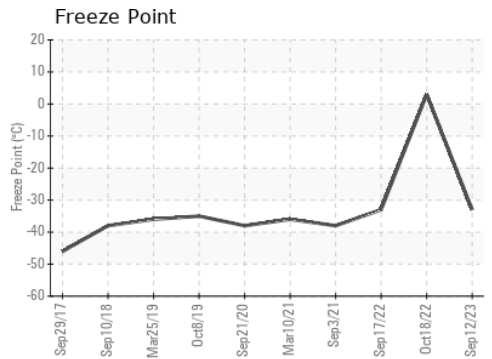
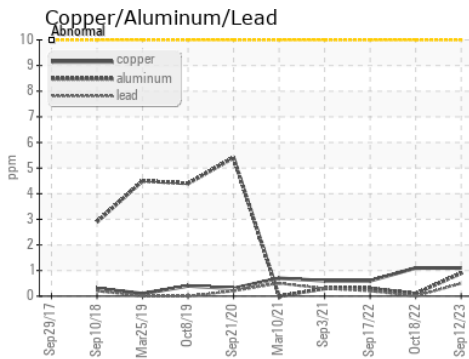
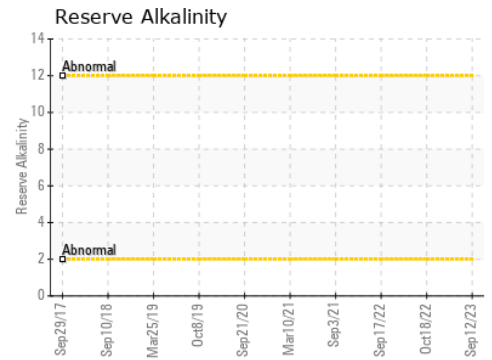
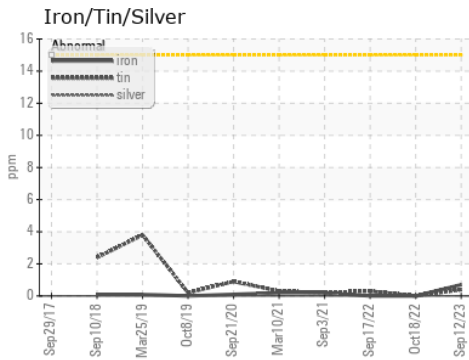


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0849021 **Received** : 22 Sep 2023  
**Lab Number** : 05958923 **Diagnosed** : 26 Sep 2023  
**Unique Number** : 10660136 **Diagnostician** : Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP, KF )

**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)