



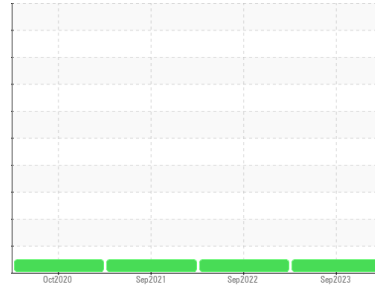
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**KANSAS/44/EG - MOTOR GRADER**  
 Machine Id  
**78.259 [KANSAS^44^EG - MOTOR GRADER]**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (15 GAL)**



## DIAGNOSIS

### Recommendation

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

The carboxylate level of this fluid is acceptable. 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>WC0781182</b>	WC0712319	WC0584671
Sample Date	Client Info		<b>22 Sep 2023</b>	19 Sep 2022	13 Sep 2021
Machine Age	hrs	Client Info	<b>5669</b>	5325	4692
Oil Age	hrs	Client Info	<b>5669</b>	5325	4450
Oil Changed		Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.069</b>	1.068	---
pH	Scale 0-14 ASTM D1287		<b>7.57</b>	7.58	7.92
Nitrites	ppm AP-053:2009		<b>448</b>	372	372
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>51.1</b>	50.6	50
Freezing Point	°F ASTM D3321		<b>-38</b>	-35	-37
Total Dissolved Solids			<b>360.5</b>	351.5	376.5
Carboxylate			<b>pass</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>16</b>	32	18
Phosphorus	ppm ASTM D6130	0	<b>&lt;1</b>	34	0
Boron	ppm ASTM D6130	0	<b>11</b>	0	0
Molybdenum	ppm ASTM D6130	950	<b>578</b>	1172	1113

## 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>	2	<1
Copper	ppm ASTM D6130	>10	<b>1</b>	<1	<1
Lead	ppm ASTM D6130	>10	<b>1</b>	0	<1
Tin	ppm ASTM D6130	>10	<b>1</b>	0	<1
Zinc	ppm ASTM D6130		<b>&lt;1</b>	0	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>14</b>	6	6

## CARRIER SALTS

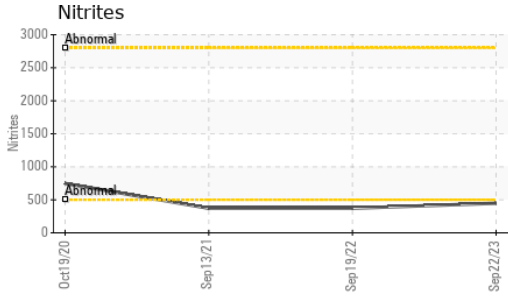
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>3548</b>	3291	3652
Potassium	ppm ASTM D6130		<b>52</b>	60	36

## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		<b>4</b>	1	1
Magnesium	ppm ASTM D6130		<b>2</b>	2	2

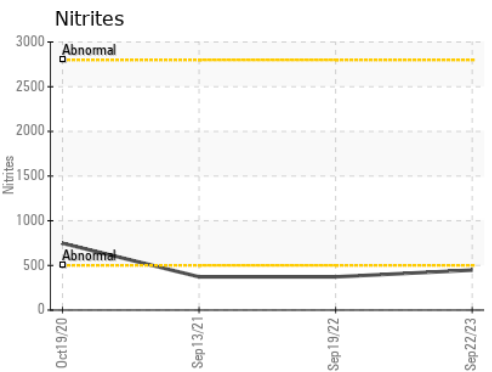
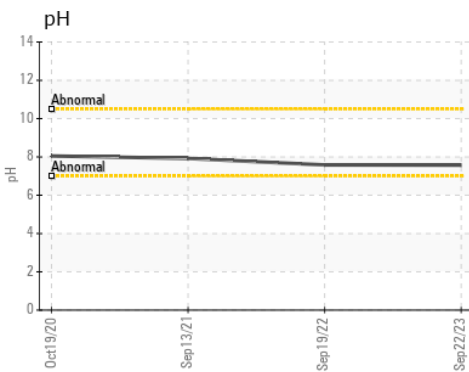
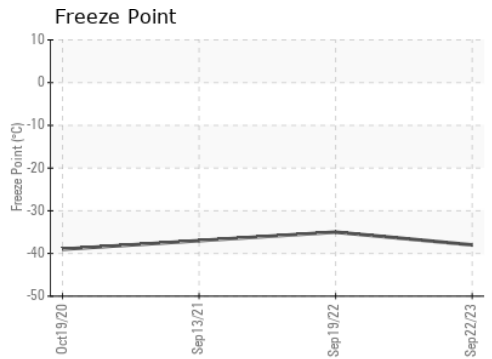
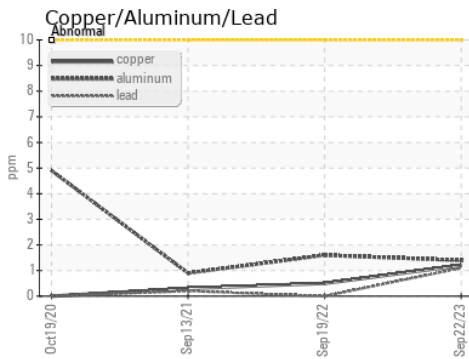
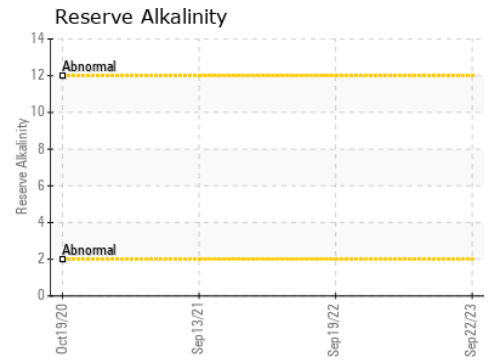
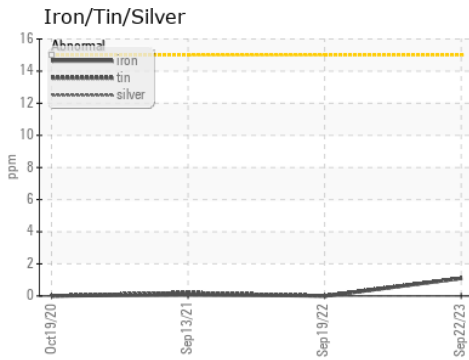


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0781182 **Received** : 28 Sep 2023  
**Lab Number** : 05963895 **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10670446 **Diagnostician** : Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: RANDY ROBERTS  
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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)