



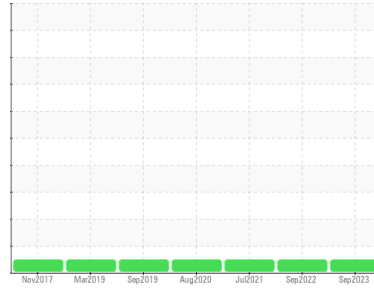
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102/EG - DOZER**  
 Machine Id  
**35.97L [OKLAHOMA^102^EG - DOZER]**  
 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>WC0849018</b>	WC0738569	WC0603224
Sample Date	Client Info		<b>12 Sep 2023</b>	15 Sep 2022	21 Jul 2021
Machine Age	hrs	Client Info	<b>12382</b>	11055	10142
Oil Age	hrs	Client Info	<b>1352</b>	1000	0
Oil Changed	Client Info		<b>N/A</b>	Not Changd	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	---
pH	Scale 0-14 ASTM D1287		<b>8.01</b>	7.57	7.69
Nitrites	ppm AP-053:2009		<b>336</b>	560	448
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>49.7</b>	49.7	49
Freezing Point	°F ASTM D3321		<b>-33</b>	-33	-37
Total Dissolved Solids			<b>319.5</b>	351.0	347.0
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130		<b>21</b>	31	24
Phosphorus	ppm ASTM D6130		<b>0</b>	10	<1
Boron	ppm ASTM D6130		<b>10</b>	18	0
Molybdenum	ppm ASTM D6130		<b>942</b>	1156	1200

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>20</b>	0	14

## CARRIER SALTS

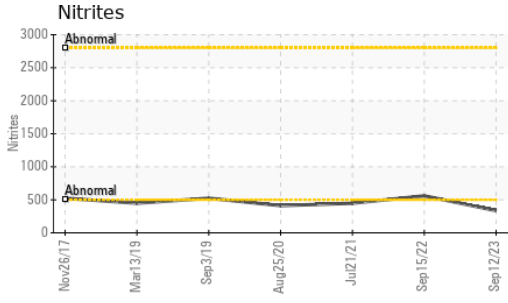
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>5460</b>	5000	3479
Potassium	ppm ASTM D6130		<b>16</b>	71	16

## SCALE POTENTIAL

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

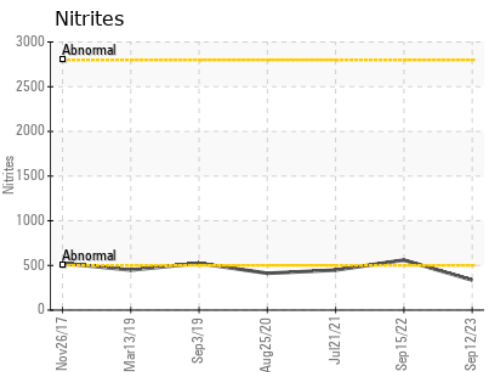
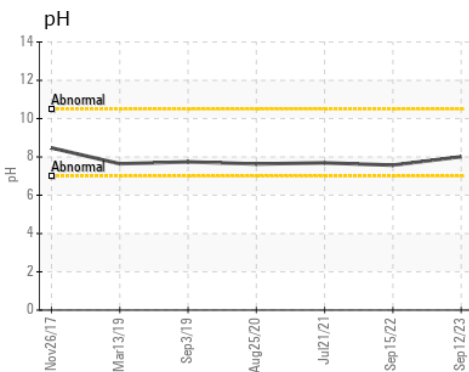
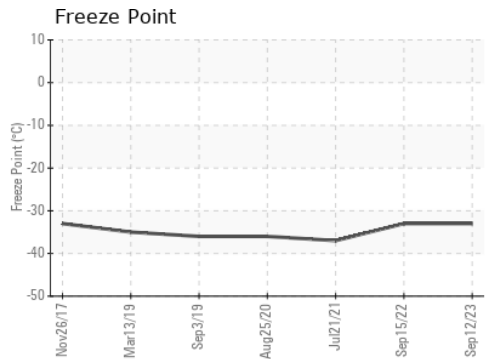
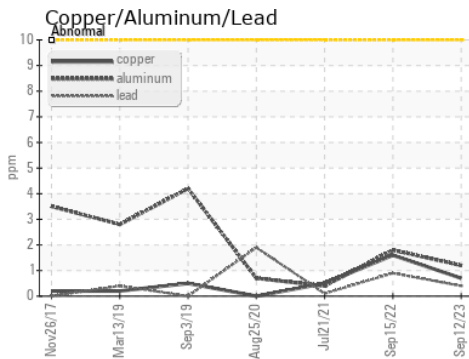
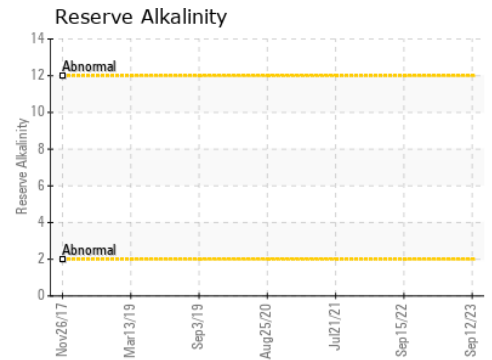
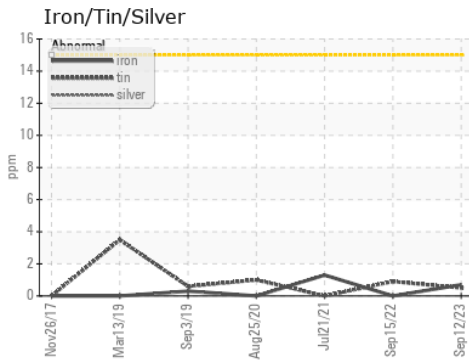


# COOLANT REPORT



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.** : WC0849018 **Received** : 22 Sep 2023  
**Lab Number** : 05958909 **Diagnosed** : 26 Sep 2023  
**Unique Number** : 10660122 **Diagnostician** : Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

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 US 67213  
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 doug.king@sherwood.net  
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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)