



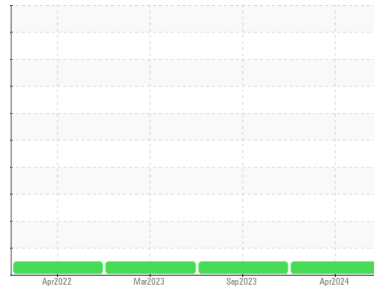
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102**  
 Machine Id  
**74.29 [OKLAHOMA^102]**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (--- 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 pH level of this fluid is within the acceptable limits. Glycol and nitrite levels are acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0914427</b>	WC0819999	WC0746773
Sample Date	Client Info			<b>02 Apr 2024</b>	18 Sep 2023	29 Mar 2023
Machine Age	hrs	Client Info		<b>0</b>	2171	1510
Oil Age	hrs	Client Info		<b>0</b>	2171	1510
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			<b>---</b>	---	---
Specific Gravity	*ASTM D1298			<b>1.069</b>	1.069	1.068
pH	Scale 0-14	ASTM D1287		<b>8.34</b>	8.29	8.64
Nitrites	ppm	AP-053:2009		<b>412</b>	112	184
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>51.7</b>	51.3	50.9
Freezing Point	°F	ASTM D3321		<b>-38</b>	-38	-35
Total Dissolved Solids				<b>382.0</b>	364.0	322.5
Carboxylate				<b>fail</b>	fail	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	<b>40</b>	83	176
Phosphorus	ppm	ASTM D6130	0	<b>0</b>	0	0
Boron	ppm	ASTM D6130	0	<b>0</b>	0	9
Molybdenum	ppm	ASTM D6130	950	<b>634</b>	1008	936

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>1</b>	2	2
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		<b>0</b>	0	<1

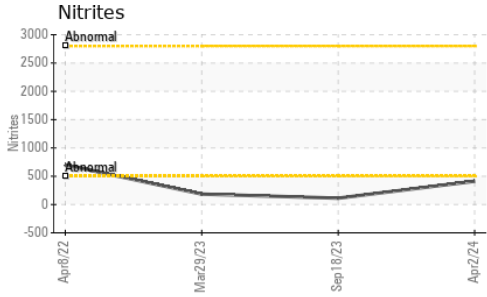
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>14</b>	10	30







CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>4249</b>	5951	5593
Potassium	ppm	ASTM D6130		<b>141</b>	265	319

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

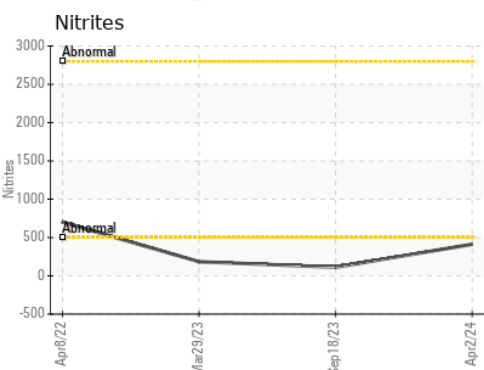
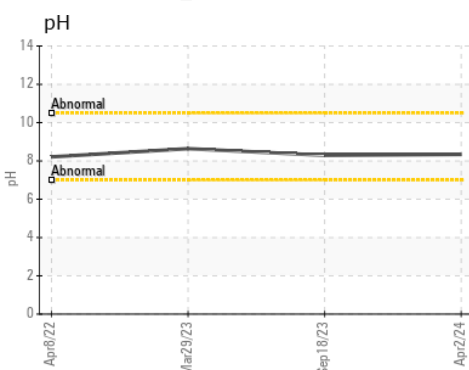
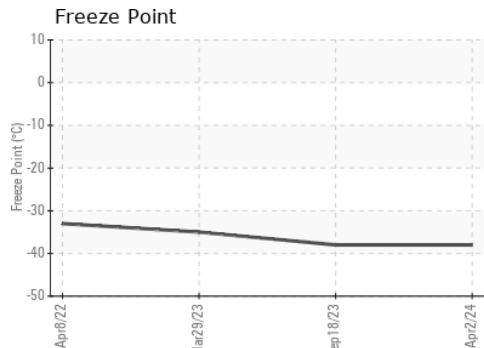
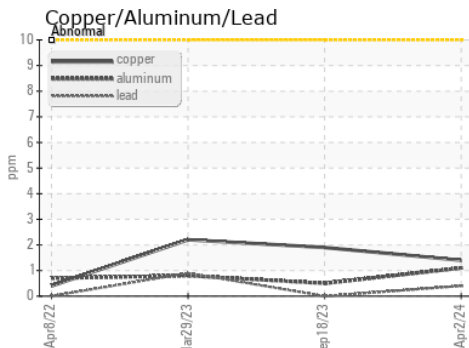
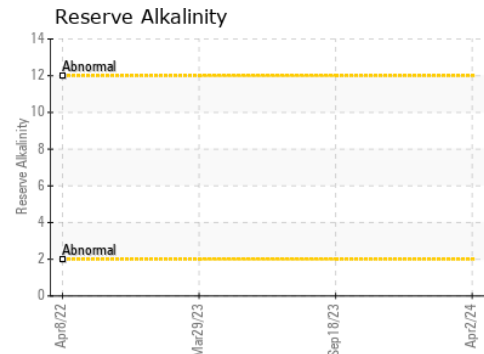
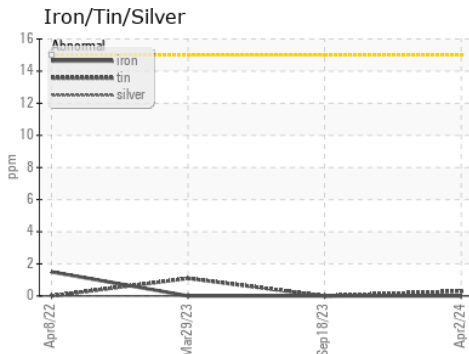


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		<b>Orange</b>	Pink	Pink
Coolant Appearance	*Visual	Clear	<b>normal</b>	normal	normal
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0914427      **Received** : 05 Apr 2024  
**Lab Number** : 06140445      **Tested** : 10 Apr 2024  
**Unique Number** : 10965253      **Diagnosed** : 10 Apr 2024 - Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: SHAWN SOUTH  
 shawn.south@sherwood.net

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)

T: x:  
 F: x: