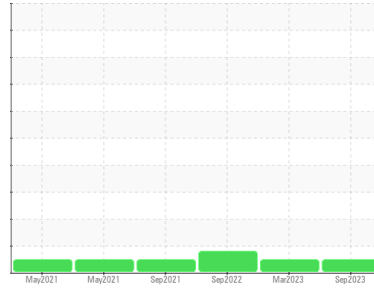




# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**KANSAS/44**  
 Machine Id  
**22.70L [KANSAS^44]**  
 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>WC0781178</b>	WC0673500	WC0712292
Sample Date	Client Info			<b>22 Sep 2023</b>	28 Mar 2023	19 Sep 2022
Machine Age	hrs	Client Info		<b>5203</b>	4764	4288
Oil Age	hrs	Client Info		<b>5203</b>	4764	4288
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		<b>1.066</b>	1.065	1.063
pH	Scale 0-14	ASTM D1287		<b>8.24</b>	8.13	7.97
Nitrites	ppm	AP-053:2009		<b>488</b>	636	976
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>48.8</b>	48.5	46.2
Freezing Point	°F	ASTM D3321		<b>-31</b>	-31	-26
Total Dissolved Solids				<b>388.0</b>	422.0	122.0
Carboxylate				<b>fail</b>	pass	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130		<b>10</b>	18	13
Phosphorus	ppm	ASTM D6130		<b>20</b>	60	120
Boron	ppm	ASTM D6130		<b>11</b>	11	0
Molybdenum	ppm	ASTM D6130		<b>402</b>	792	346

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	<b>1</b>	<1	0
Aluminum	ppm	ASTM D6130	>10	<b>1</b>	2	5
Copper	ppm	ASTM D6130	>10	<b>1</b>	<1	<1
Lead	ppm	ASTM D6130	>10	<b>1</b>	<1	0
Tin	ppm	ASTM D6130	>10	<b>1</b>	0	0
Zinc	ppm	ASTM D6130		<b>&lt;1</b>	0	0

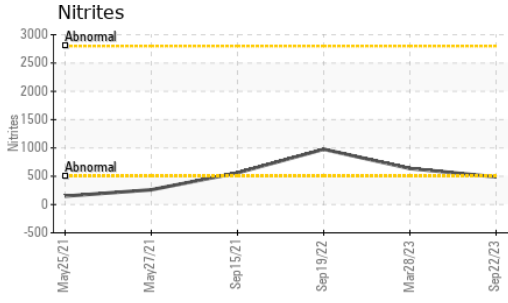
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>16</b>	23	4


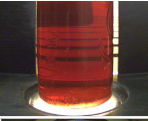
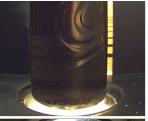



CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>2940</b>	5027	2104
Potassium	ppm	ASTM D6130		<b>1385</b>	4113	3466

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		<b>2</b>	<1	0
Magnesium	ppm	ASTM D6130		<b>1</b>	<1	<1

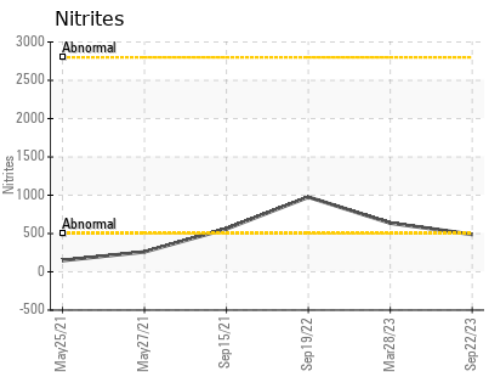
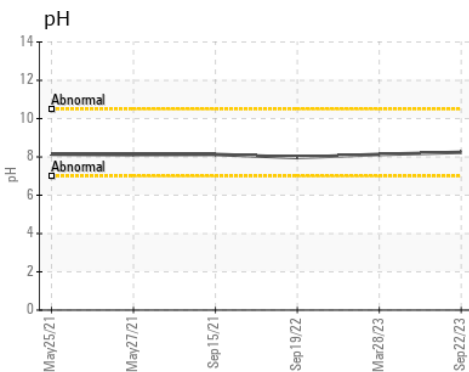
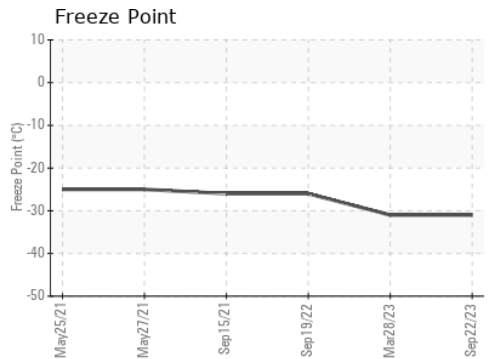
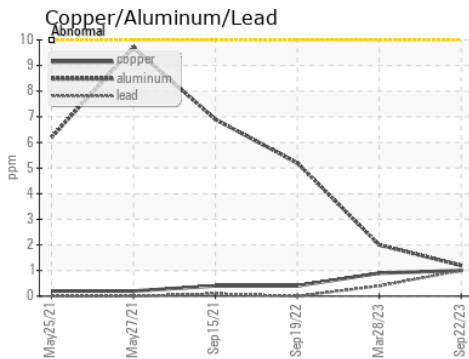
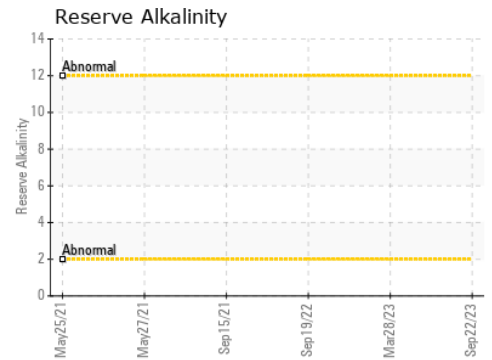
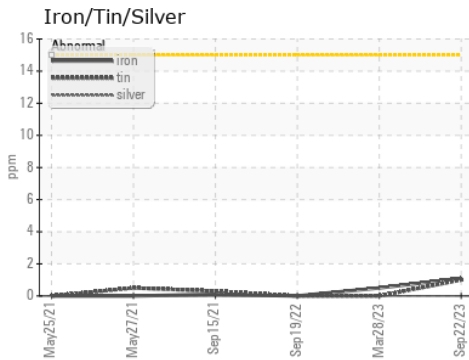


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		<b>Red</b>	Red	Red
Coolant Appearance	*Visual	Clear	<b>normal</b>	normal	▲ hazy
Color					
Bottom					

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0781178 **Received** : 28 Sep 2023  
**Lab Number** : 05963896 **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10670447 **Diagnostician** : Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: DALE CASINO  
 dale.casino@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:  
F: