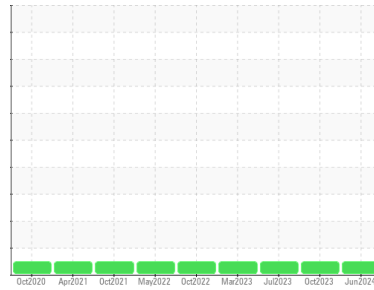




# COOLANT REPORT

### Sample Rating Trend



**NORMAL**



Machine Id  
**015-0064 (S/N 236017)**  
 Component  
**Coolant**  
 Fluid  
**DefendAL HD Antifreeze (--- GAL)**

### DIAGNOSIS

#### Recommendation

The fluid is suitable for further service. ( Customer Sample Comment: Coolant sample )

#### Contaminants

There is no indication of any contamination in the coolant.

#### Coolant Condition

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>WC0868274</b>	WC0815101	WC0814976
Sample Date	Client Info		<b>10 Jun 2024</b>	02 Oct 2023	18 Jul 2023
Machine Age	hrs	Client Info	<b>10189</b>	9217	8857
Oil Age	hrs	Client Info	<b>10101</b>	0	0
Oil Changed		Client Info	<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### PHYSICAL TEST RESULTS

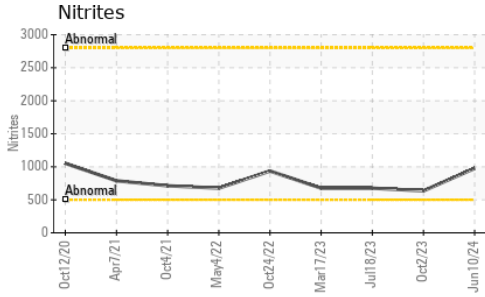
	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>---</b>	---	---
Specific Gravity	*ASTM D1298	1.075	<b>1.071</b>	1.071	1.070
pH	Scale 0-14 ASTM D1287		<b>7.39</b>	7.37	7.48
Nitrites	ppm AP-053:2009	600	<b>976</b>	636	676
Reserve Alkalinity	Scale 0-20 *ASTM D1121	2.8	<b>---</b>	---	---
Percentage Glycol	% ASTM D3321	50	<b>53.3</b>	53.2	52.9
Freezing Point	°F ASTM D3321	-36	<b>-43</b>	-43	-40
Total Dissolved Solids			<b>421.5</b>	389.0	388.5
Carboxylate			<b>n/a</b>	n/a	n/a

### VISUAL

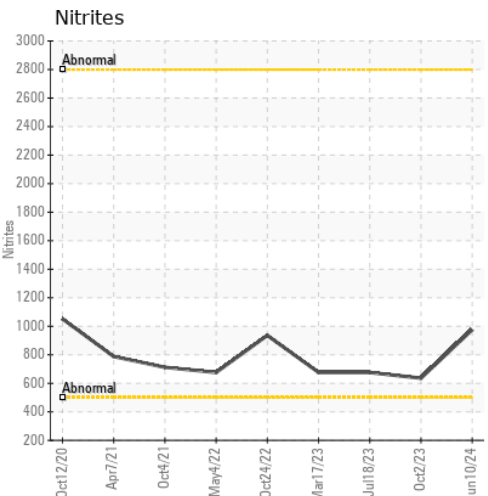
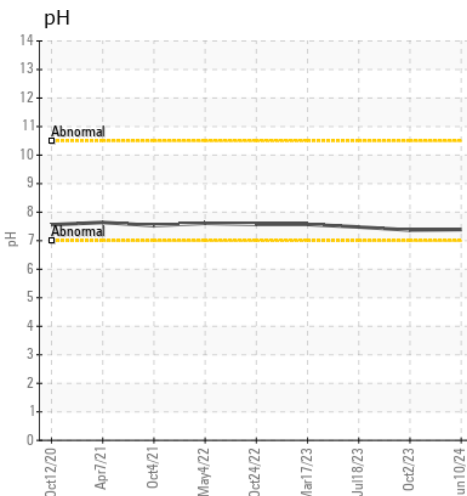
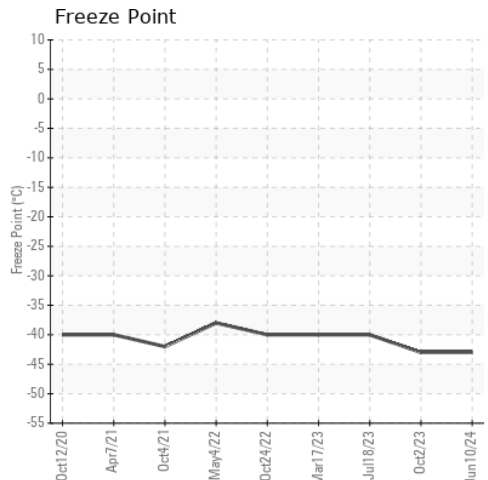
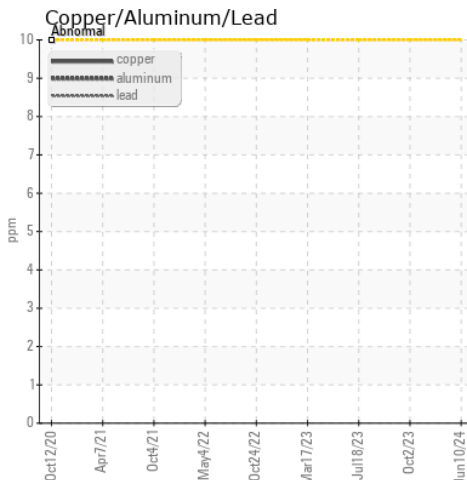
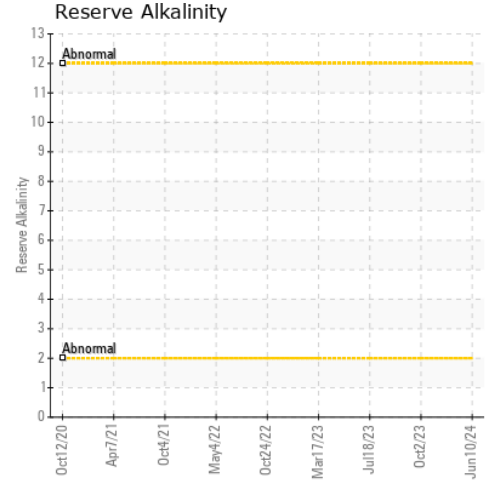
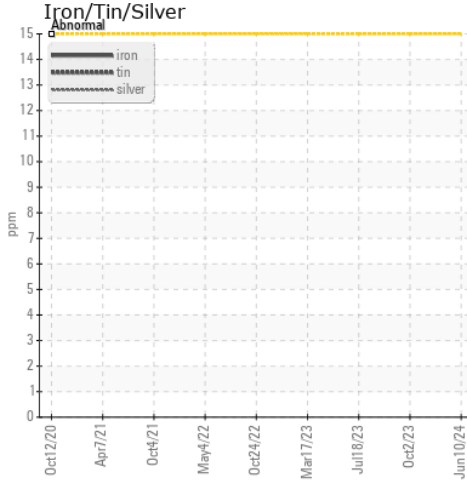
	method	limit/base	current	history1	history2
Coolant Color	*Visual	Red	<b>Red</b>	Red	Red
Coolant Appearance	*Visual	Clear	<b>normal</b>	normal	normal
Color					
Bottom					



# COOLANT REPORT



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0868274 **Received** : 14 Jun 2024  
**Lab Number** : 06210656 **Tested** : 18 Jun 2024  
**Unique Number** : 11083520 **Diagnosed** : 18 Jun 2024 - Doug Bogart  
**Test Package** : COOL- ( Additional Tests: GlycolType )

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)

**SHIMMICK CONSTRUCTION**  
 5535 TRAILHEAD DRIVE  
 CHATTANOOGA, TN  
 US 37415  
 Contact: DANIEL LISELLA  
 daniel.lisella@shimmick.com

T:  
F: