



# COOLANT REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Machine Id  
**015-R0006**

Component  
**Coolant**

Fluid  
**DefendAL HD Antifreeze (--- GAL)**

## RECOMMENDATION

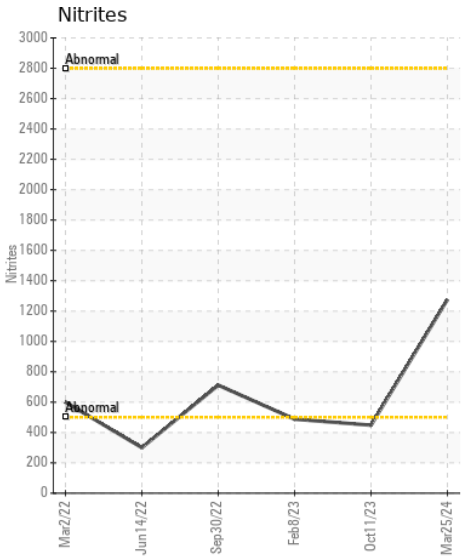
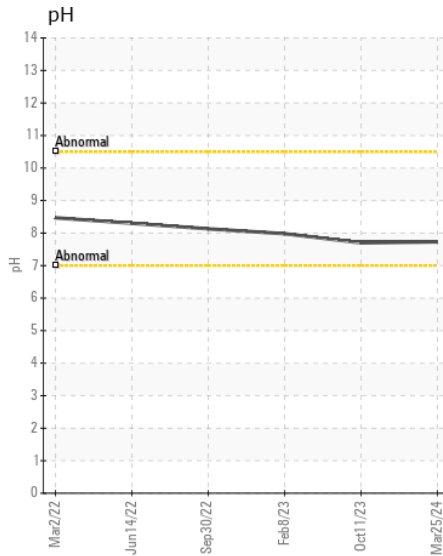
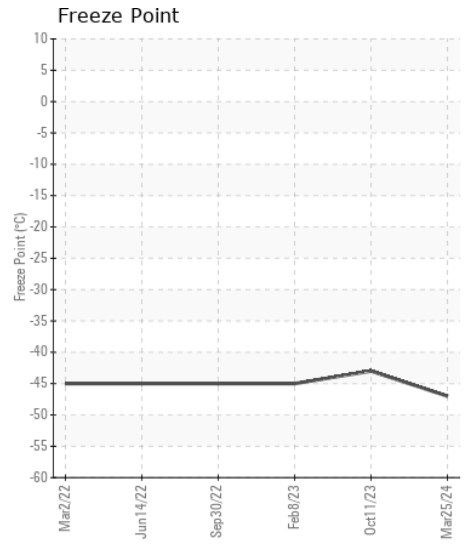
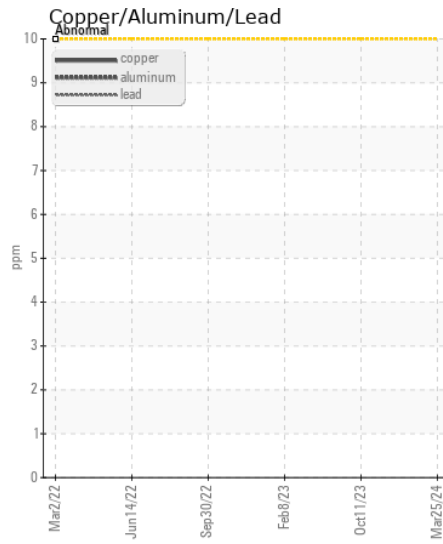
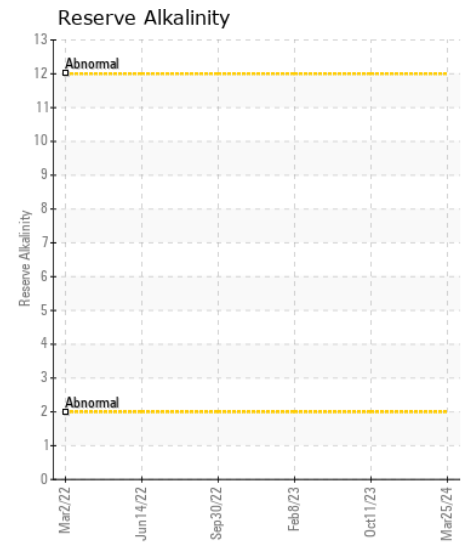
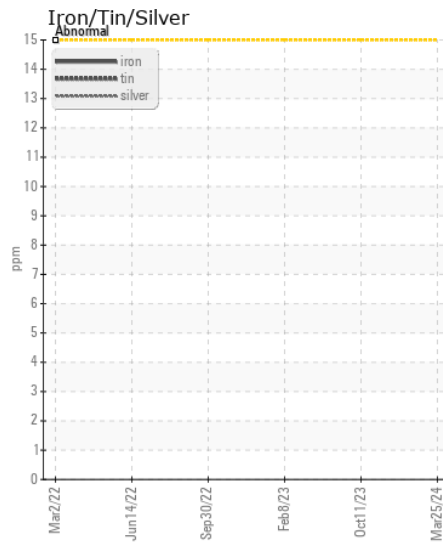
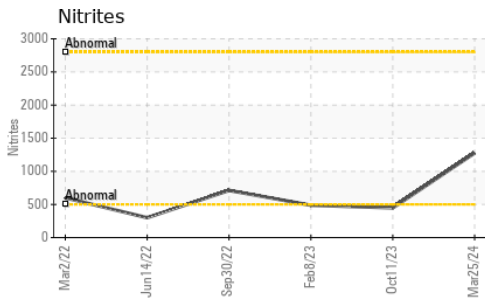
No corrective action is recommended at this time. The fluid is suitable for further service.

## CORROSION

## CONTAMINANTS

There is no indication of any contamination in the coolant.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0904109</b>	WC0750697	WC0750718
Sample Date		Client Info		<b>25 Mar 2024</b>	11 Oct 2023	08 Feb 2023
Machine Age	hrs	Client Info		<b>6362</b>	5413	3277
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL
Total Dissolved Solids				<b>544.0</b>	541.5	466.5
Coolant Appearance		*Visual	Clear	<b>normal</b>	normal	normal
Boiling Point	°C	WC Method		<b>227</b>	---	---
Specific Gravity		*ASTM D1298	1.075	<b>1.074</b>	1.071	1.073
pH	Scale 0-14	ASTM D1287		<b>7.73</b>	7.70	7.98
Nitrites	ppm	AP-053:2009	600	<b>1276</b>	448	488
Reserve Alkalinity	Scale 0-20	*ASTM D1121	2.8	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	50	<b>55.2</b>	53.3	54.8
Freezing Point	°F	ASTM D3321	-36	<b>-47</b>	-43	-45
Carboxylate				<b>fail</b>	n/a	n/a
Coolant Color		*Visual	Red	<b>Pink</b>	Pink	Pink



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0904109 **Received** : 15 Apr 2024  
**Lab Number** : 06149255 **Tested** : 16 Apr 2024  
**Unique Number** : 10979333 **Diagnosed** : 18 Apr 2024 - Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType )

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

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: