



# COOLANT REPORT

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



Machine Id  
**JOHN DEERE 744K 047-0043**  
Component  
**Coolant**  
Fluid  
**DefendAL HD Antifreeze (--- GAL)**

## RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0868284</b>	WC0868452	WC0815005
Sample Date		Client Info		<b>18 May 2024</b>	04 Dec 2023	08 Aug 2023
Machine Age	hrs	Client Info		<b>16335</b>	15336	14298
Oil Age	hrs	Client Info		<b>16233</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

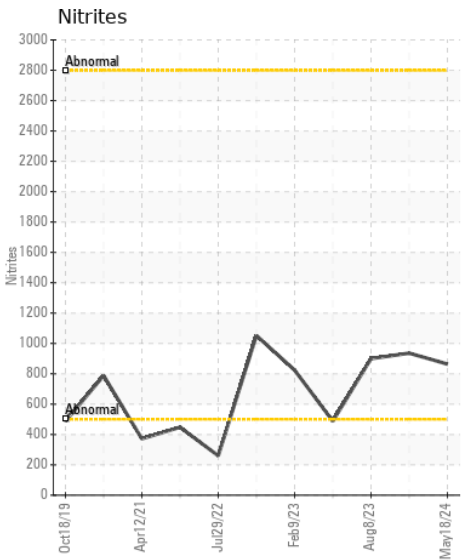
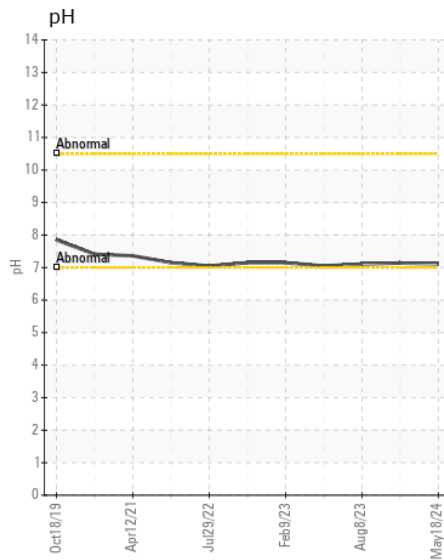
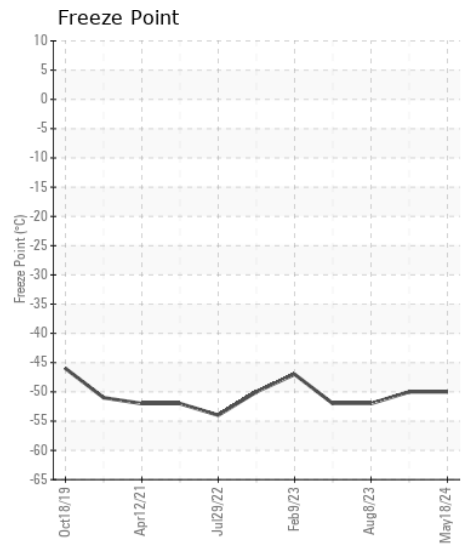
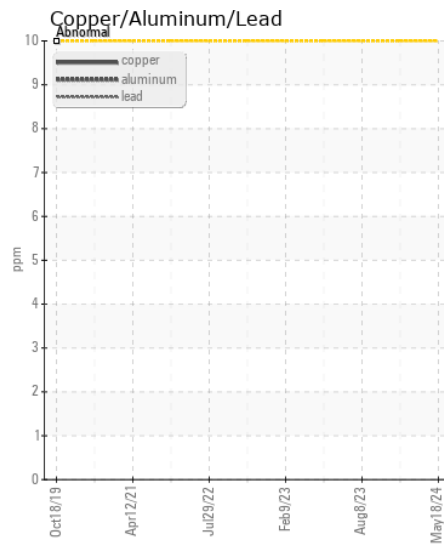
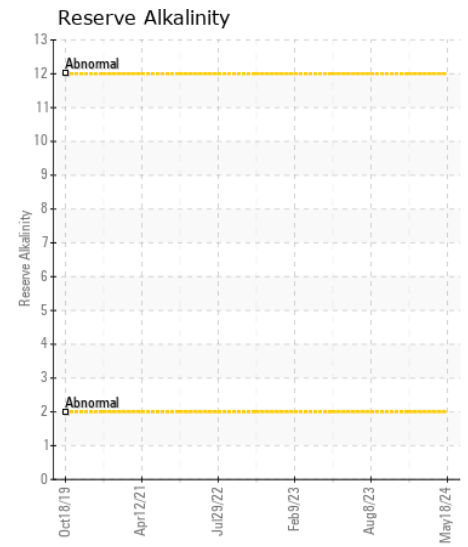
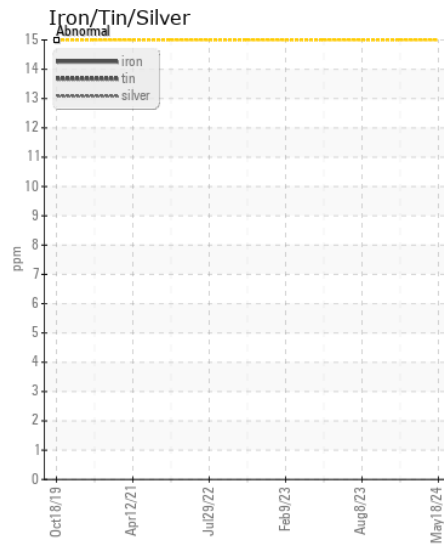
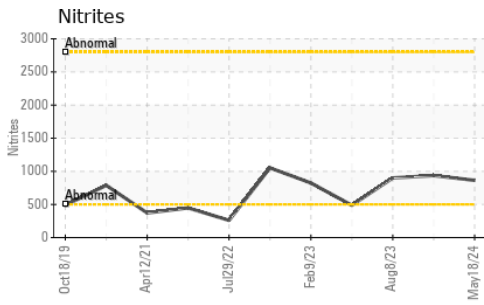
## CORROSION

Total Dissolved Solids				<b>471.0</b>	464.5	499.0
Coolant Appearance		*Visual	Clear	<b>normal</b>	normal	normal

## CONTAMINANTS

There is no indication of any contamination in the coolant.

Boiling Point	°C	WC Method		<b>228</b>	---	---
Specific Gravity		*ASTM D1298	1.075	<b>1.076</b>	1.076	1.076
pH	Scale 0-14	ASTM D1287		<b>7.11</b>	7.14	7.11
Nitrites	ppm	AP-053:2009	600	<b>864</b>	936	900
Reserve Alkalinity	Scale 0-20	*ASTM D1121	2.8	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	50	<b>56.6</b>	56.4	57.3
Freezing Point	°F	ASTM D3321	-36	<b>-50</b>	-50	-52
Carboxylate				<b>n/a</b>	n/a	n/a
Coolant Color		*Visual	Red	<b>Red</b>	Red	Red



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0868284  
**Lab Number** : 06188192  
**Unique Number** : 11044944  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType )  
**Received** : 22 May 2024  
**Tested** : 28 May 2024  
**Diagnosed** : 28 May 2024 - Jonathan Hester

**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)

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F: