



# COOLANT REPORT

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

Area

[142229]

Machine Id

JOHN DEERE LOW LIFT

Component

Coolant

Fluid

CONVENTIONAL COOLANT (--- LTR)

## RECOMMENDATION

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0919633	WC0488438	---
Sample Date		Client Info		05 Apr 2024	22 Apr 2021	---
Machine Age	hrs	Client Info		0	359	---
Oil Age	hrs	Client Info		0	100	---
Oil Changed		Client Info		N/A	Not Changd	---
Sample Status				ABNORMAL	NORMAL	---

## CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D5185(m)	>15	0	2	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	2	---
Copper	ppm	ASTM D5185(m)	>10	7	<1	---
Lead	ppm	ASTM D5185(m)	>10	0	1	---
Tin	ppm	ASTM D5185(m)	>10	0	2	---
Silver	ppm	ASTM D5185(m)	>10	<1	<1	---
Zinc	ppm	ASTM D5185(m)	>10	1	2	---

## CONTAMINANTS

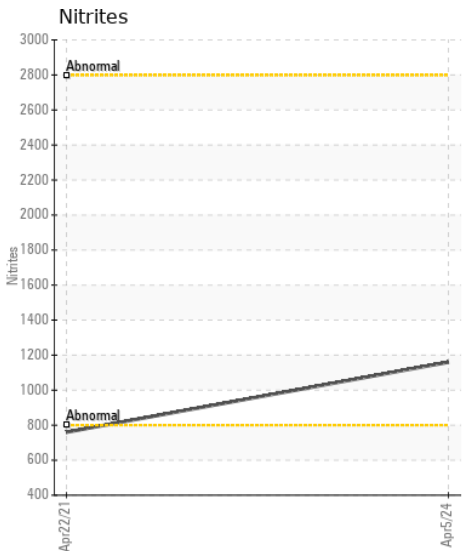
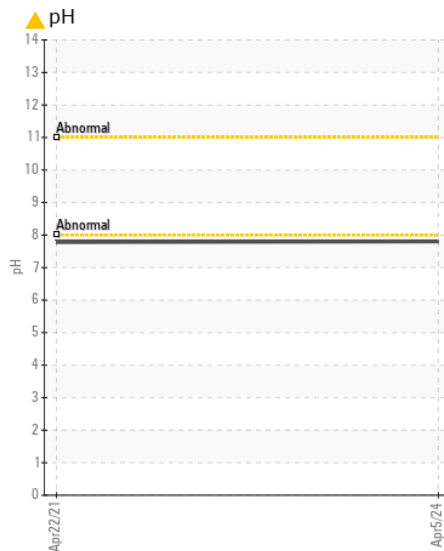
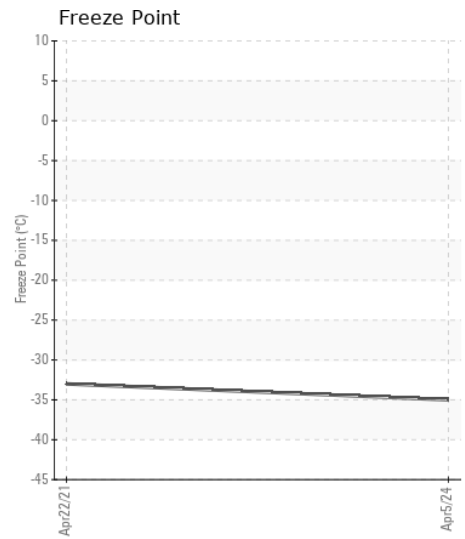
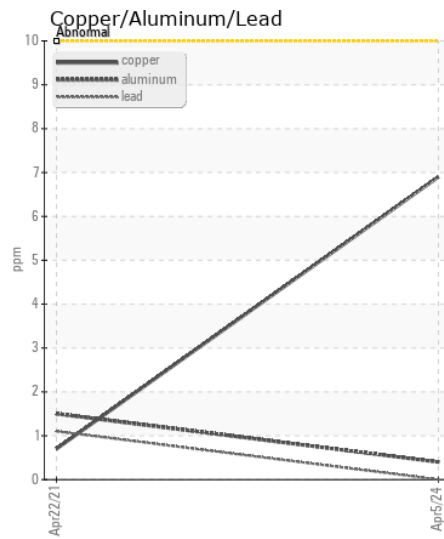
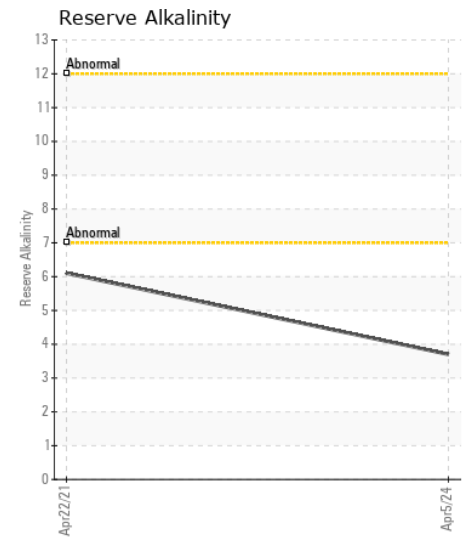
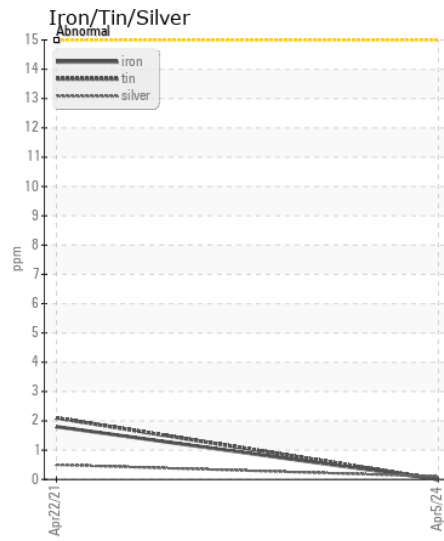
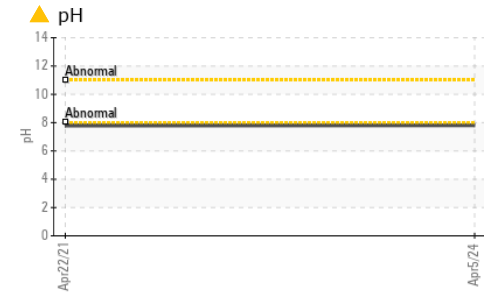
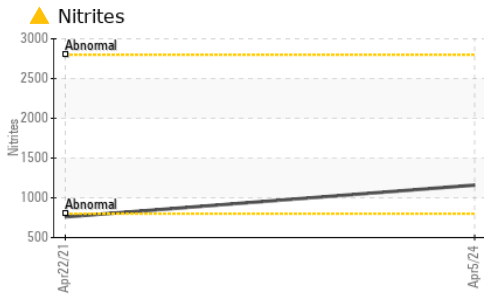
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	8	32	---
Magnesium	ppm	ASTM D5185(m)	>40	1	1	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Coolant Appearance		Visual*	Clear	---	Clear	---

## COOLANT CONDITION

The nitrite level is acceptable. The pH is low which causes rust formation.

Boiling Point	°C	WC Method*		107	---	---
Specific Gravity		ASTM D1298*		1.065	1.064	---
pH	Scale 0-14	ASTM D1287*	9.5	▲ 7.80	7.78	---
Nitrites	ppm	Alcan Test Kit*	1500	1160	760	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	3.7	6.1	---
Percentage Glycol	%	ASTM D3321*	50	48.7	47.0	---
Freezing Point	°C	ASTM D3321*	-40	-35	-33	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		9	11	---
Phosphorus	ppm	ASTM D5185(m)		22	17	---
Boron	ppm	ASTM D5185(m)		424	1099	---
Molybdenum	ppm	ASTM D5185(m)		13	2	---
Sodium	ppm	ASTM D5185(m)		2759	3342	---
Potassium	ppm	ASTM D5185(m)		115	99	---
Coolant Color		Visual*	Green	---	Orange	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0919633 **Received** : 15 Apr 2024  
**Lab Number** : 02629043 **Tested** : 16 Apr 2024  
**Unique Number** : 5762175 **Diagnosed** : 17 Apr 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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