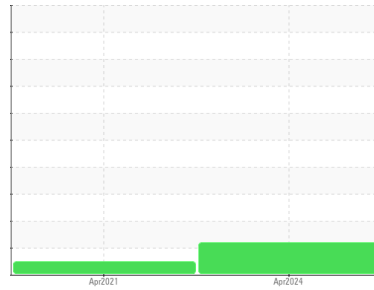




COOLANT REPORT

Sample Rating Trend



PH



Area

[142229]

Machine Id

JOHN DEERE LOW LIFT

Component

Coolant

Fluid

CONVENTIONAL COOLANT (--- LTR)

DIAGNOSIS

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.

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

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

SAMPLE INFORMATION

	method	limit/base	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	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		UNK	---	---
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			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
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	---

CORROSION

	method	limit/base	current	history1	history2
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)	1	2	---

CARRIER SALTS

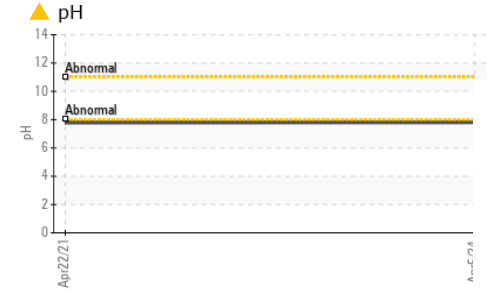
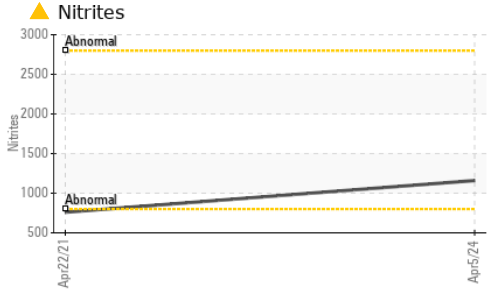
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	2759	3342	---
Potassium	ppm	ASTM D5185(m)	115	99	---

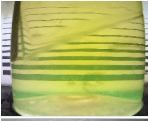
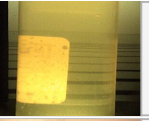


SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m) >100	8	32	---
Magnesium	ppm	ASTM D5185(m) >40	1	1	---
Hardness	mg/L CaCO3	In-house* <75	23	---	---

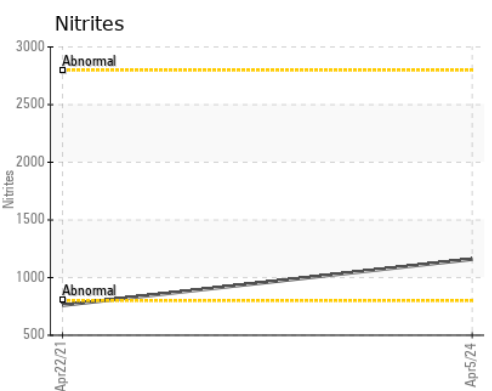
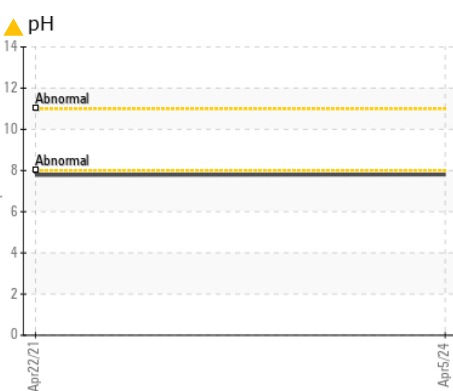
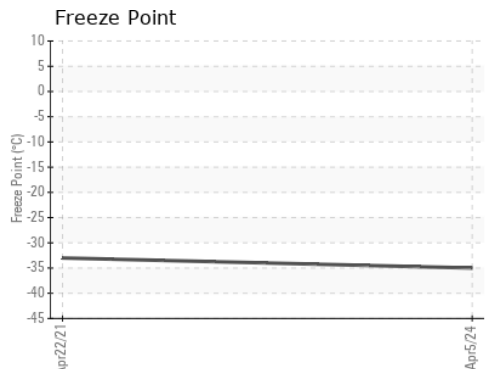
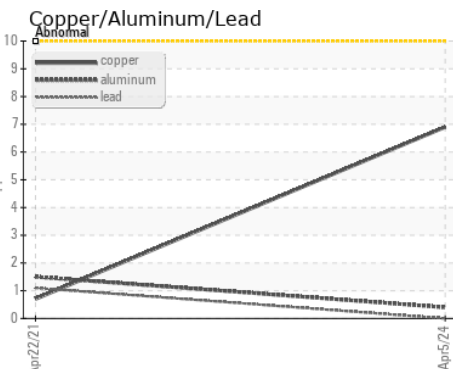
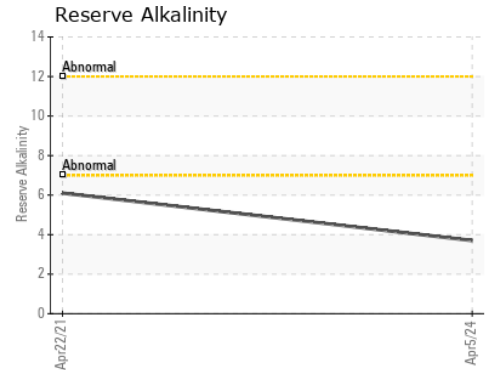
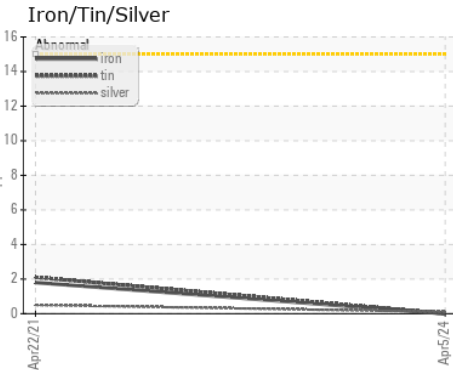


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Green	---	Orange	---
Coolant Appearance	Visual*	Clear	---	Clear	---
Color					no image
Bottom					no image

GRAPHS



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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