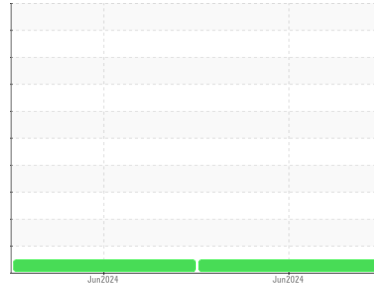




COOLANT REPORT

Sample Rating Trend



NORMAL



Area

MINING

Machine Id

ME-588 JOHN DEERE 944K 1DW944KXCNL703692

Component

Coolant

Fluid

JOHN DEERE COOLGARD II (--- GAL)

DIAGNOSIS

Recommendation

The fluid is suitable for further service. 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 level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0946276	WC0946269	---
Sample Date	Client Info			21 Jun 2024	21 Jun 2024	---
Machine Age	hrs	Client Info		2184	2184	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			Not Chngd	Not Chngd	---
Sample Status				NORMAL	NORMAL	---

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			UNK	UNK	---
Specific Gravity	ASTM D1298*			1.069	1.069	---
pH	Scale 0-14	ASTM D1287*		7.74	8.24	---
Nitrites	ppm	Alcan Test Kit*		1040	1480	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		8.4	9.7	---
Percentage Glycol	%	ASTM D3321*		51.6	51.8	---
Freezing Point	°C	ASTM D3321*		-39	-39	---
Carboxylate				---	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		122	150	---
Phosphorus	ppm	ASTM D5185(m)		133	121	---
Boron	ppm	ASTM D5185(m)		888	872	---
Molybdenum	ppm	ASTM D5185(m)		120	114	---

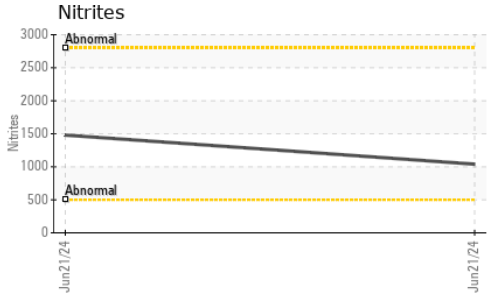
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	7	---
Copper	ppm	ASTM D5185(m)	>10	<1	0	---
Lead	ppm	ASTM D5185(m)	>10	0	0	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Silver	ppm	ASTM D5185(m)	>10	<1	<1	---
Zinc	ppm	ASTM D5185(m)		1	2	---

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		5070	4946	---
Potassium	ppm	ASTM D5185(m)		352	361	---

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	8	9	---
Magnesium	ppm	ASTM D5185(m)	>40	1	1	---
Hardness	mg/L CaCO3	In-house*	<75	24	28	---

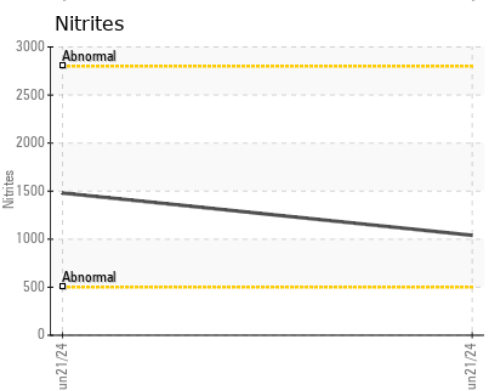
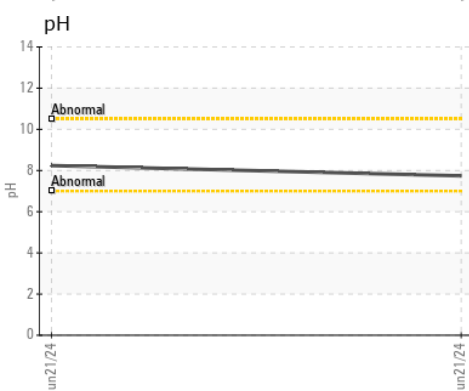
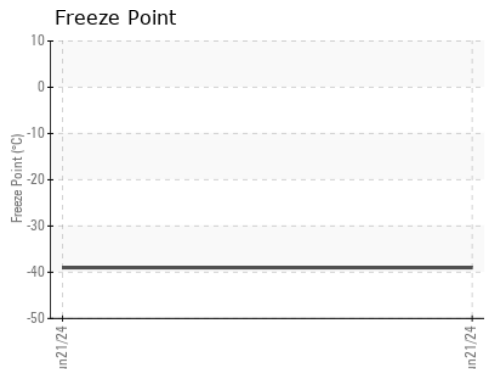
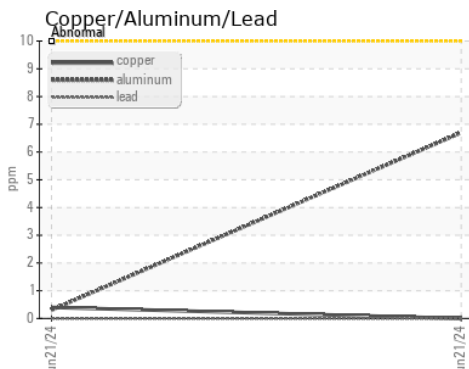
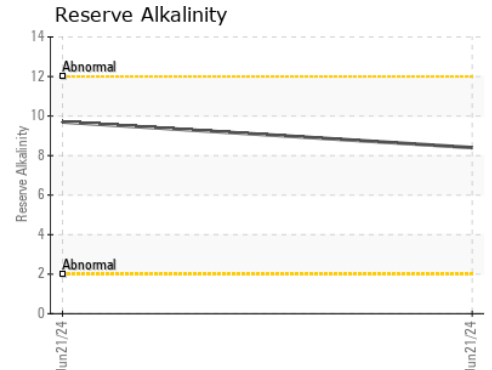
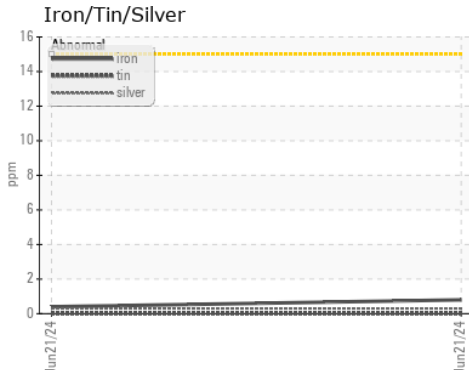


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0946276 **Received** : 05 Jul 2024
Lab Number : 02645985 **Tested** : 08 Jul 2024
Unique Number : 5811537 **Diagnosed** : 08 Jul 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

Covia Canada Ltd.
 260 Unimin Road, County Rd. #46
 Havelock, ON
 CA K0L 1Z0
 Contact: Dan Lyon
 dan.lyon@coviacorp.com
 T: (705)632-8904
 F:

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.