



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

**COOLANT REPORT**

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

Area

**[6100298878]**

Machine Id

**JOHN DEERE 234241**

Component

**Coolant**

Fluid

**DETROIT DIESEL POWER COOL (--- GAL)**

**RECOMMENDATION**

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WA0021685</b>	WA0016843	WA0013743
Sample Date		Client Info		<b>20 Jun 2024</b>	05 Jul 2022	13 May 2020
Machine Age	hrs	Client Info		<b>0</b>	357	267
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**CORROSION**

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

Iron	ppm	ASTM D5185(m)	>15	<b>4</b>	11	5
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	2	<1
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	3	2
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	1	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	<1

**CONTAMINANTS**

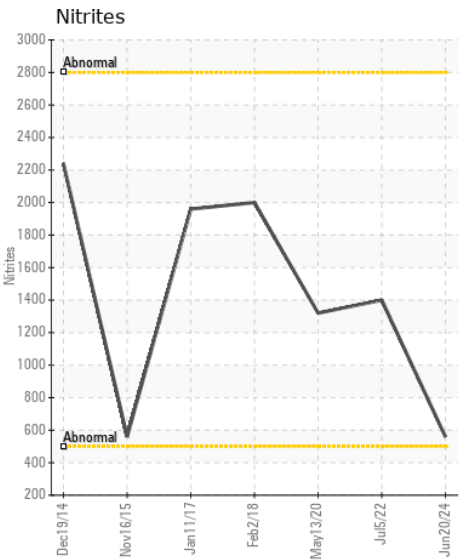
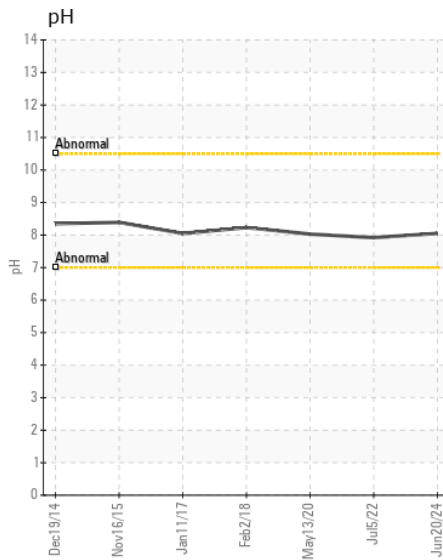
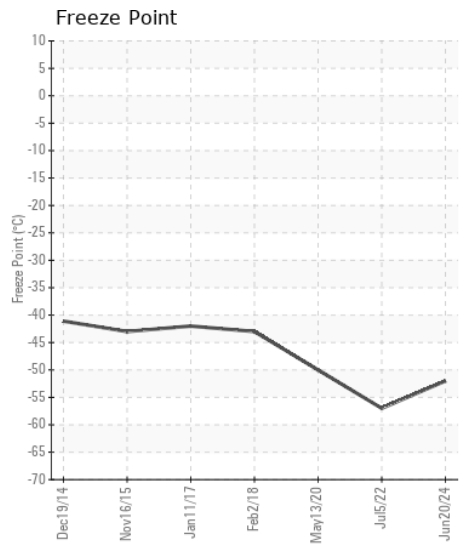
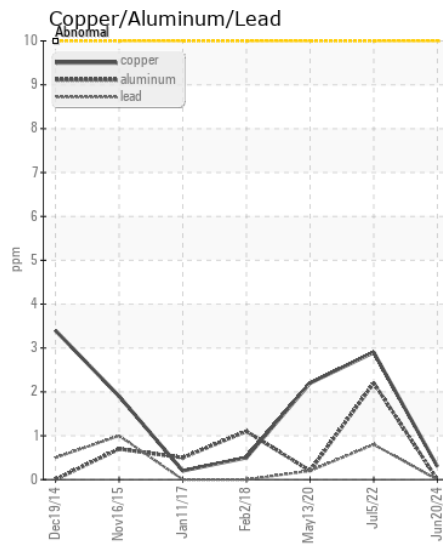
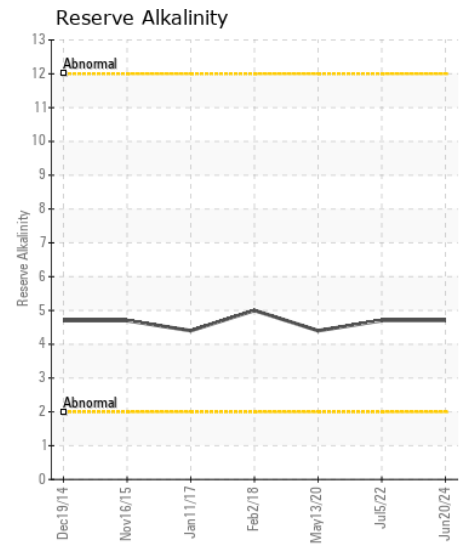
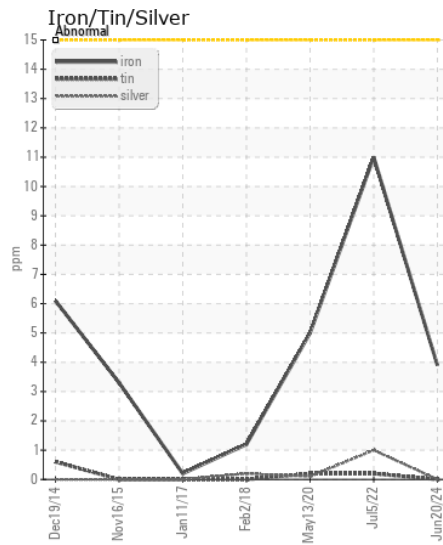
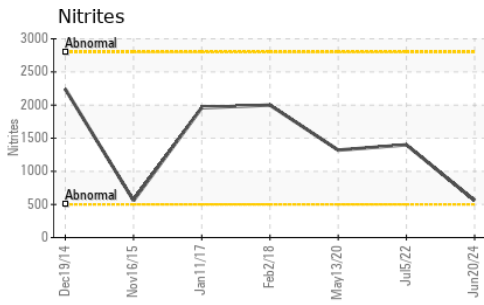
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	2	<1
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	1	1
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Cloudy</b>	Clear	Cloudy

**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.

Boiling Point	°C	WC Method*		<b>111</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.082</b>	1.080	1.078
pH	Scale 0-14	ASTM D1287*	9.5	<b>8.05</b>	7.92	8.03
Nitrites	ppm	Alcan Test Kit*	500	<b>560</b>	1400	1320
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>4.7</b>	4.7	4.4
Percentage Glycol	%	ASTM D3321*	50	<b>62.8</b>	60.5	59.0
Freezing Point	°C	ASTM D3321*	-40	<b>-52</b>	-57	-50
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)	150	<b>60</b>	64	34
Phosphorus	ppm	ASTM D5185(m)	0	<b>48</b>	87	104
Boron	ppm	ASTM D5185(m)	300	<b>494</b>	560	501
Molybdenum	ppm	ASTM D5185(m)		<b>17</b>	2	<1
Sodium	ppm	ASTM D5185(m)		<b>4344</b>	2338	2736
Potassium	ppm	ASTM D5185(m)		<b>433</b>	529	436
Coolant Color		Visual*	Pink	<b>Orange</b>	Orange	Orange



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021685  
**Lab Number** : 02644251  
**Unique Number** : 5801790  
**Test Package** : COOL ( Additional Tests: GlycolType )  
**Received** : 26 Jun 2024  
**Tested** : 26 Jun 2024  
**Diagnosed** : 27 Jun 2024 - Kevin Marson

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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