



# COOLANT REPORT

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

Area  
**[142229]**  
 Machine Id  
**JOHN DEERE STONEY PONIT WTP**  
 Component  
**Coolant**  
 Fluid  
**CONVENTIONAL COOLANT (40 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. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0791164</b>	WC0791165	WC0791172
Sample Date		Client Info		<b>15 Feb 2024</b>	05 Feb 2024	15 May 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL

## CORROSION

Lead ppm levels are abnormal. Copper ppm levels are noted. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	<b>8</b>	0	12
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>10	<b>▲ 9</b>	4	▲ 10
Lead	ppm	ASTM D5185(m)	>10	<b>▲ 22</b>	5	▲ 22
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	0
Zinc	ppm	ASTM D5185(m)	>10	<b>2</b>	1	2

## CONTAMINANTS

There is no indication of any contamination in the coolant.

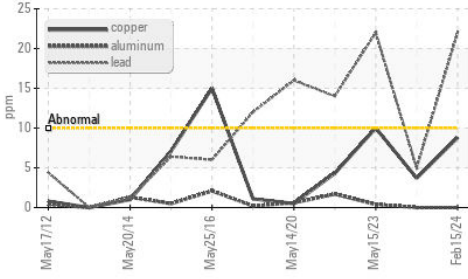
Calcium	ppm	ASTM D5185(m)	>100	<b>3</b>	<1	2
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Clear</b>	Clear	Clear

## COOLANT CONDITION

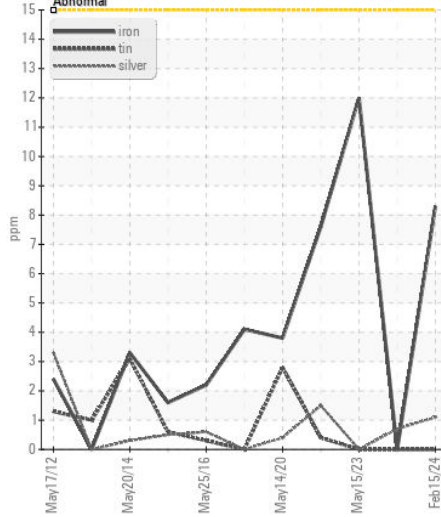
The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

Specific Gravity		ASTM D1298*		<b>1.069</b>	1.067	1.069
pH	Scale 0-14	ASTM D1287*	9.5	<b>9.06</b>	9.79	8.98
Nitrites	ppm	Alcan Test Kit*	1500	<b>1400</b>	1600	800
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	<b>2.4</b>	2.9	2.5
Percentage Glycol	%	ASTM D3321*	50	<b>51.3</b>	49.9	51.2
Freezing Point	°C	ASTM D3321*	-40	<b>-39</b>	-36	-38
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>25</b>	27	27
Phosphorus	ppm	ASTM D5185(m)		<b>46</b>	509	66
Boron	ppm	ASTM D5185(m)		<b>156</b>	142	164
Molybdenum	ppm	ASTM D5185(m)		<b>7</b>	26	14
Sodium	ppm	ASTM D5185(m)		<b>2176</b>	2366	1431
Potassium	ppm	ASTM D5185(m)		<b>224</b>	1028	277
Coolant Color		Visual*	Green	<b>Green</b>	Green	Green

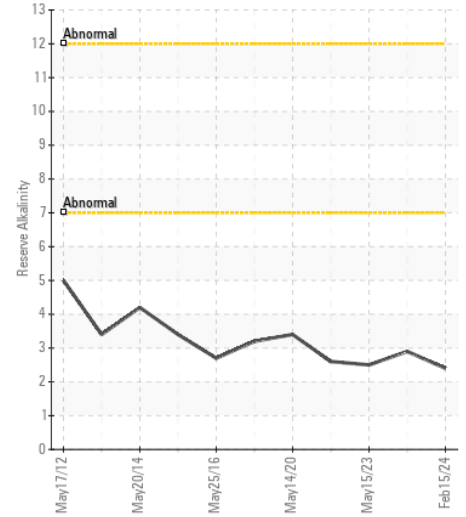
▲ Copper/Aluminum/Lead



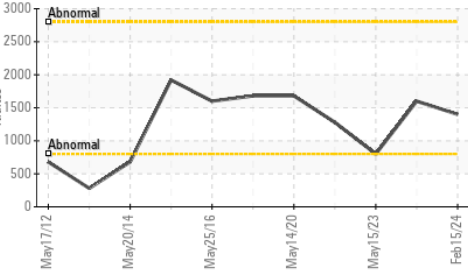
Iron/Tin/Silver



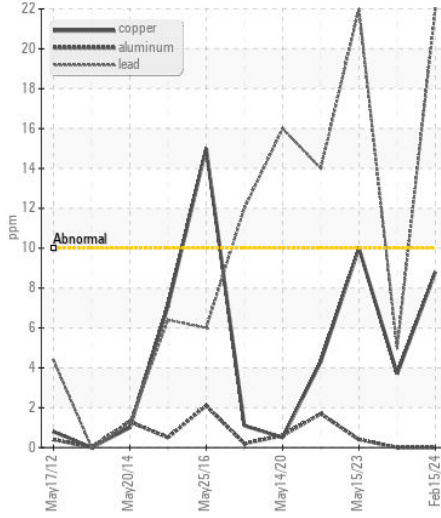
Reserve Alkalinity



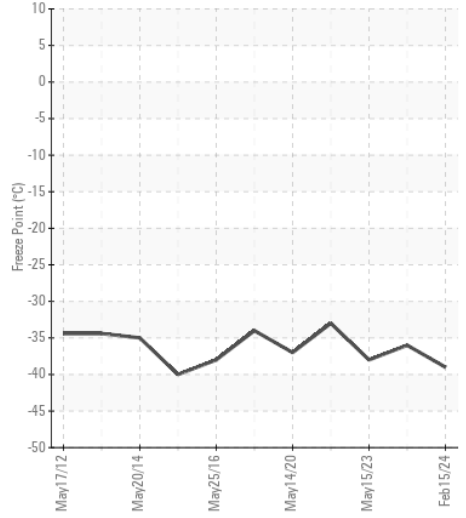
Nitrites



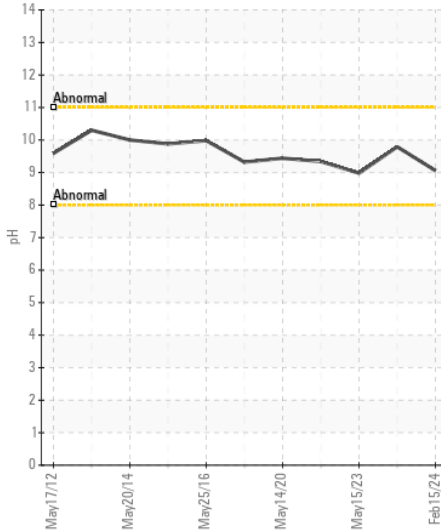
▲ Copper/Aluminum/Lead



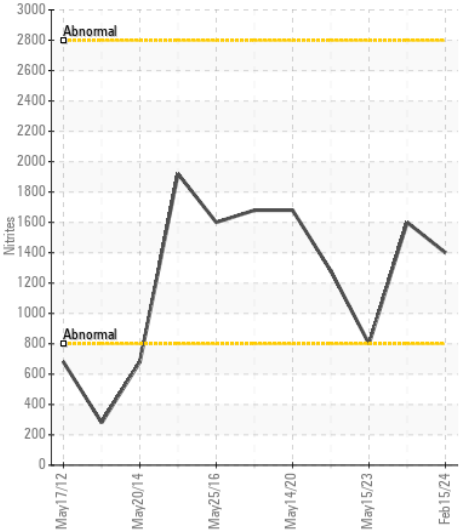
Freeze Point



pH



Nitrites



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0791164 **Received** : 16 Feb 2024  
**Lab Number** : 02616482 **Tested** : 21 Feb 2024  
**Unique Number** : 5733592 **Diagnosed** : 21 Feb 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

**GENREP LTD**  
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 LEAMINGTON, ON  
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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.