



# COOLANT REPORT

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

Machine Id  
**WJ036485**

Component  
**Coolant**

Fluid  
**EXTENDED LIFE COOLANT (--- GAL)**

## RECOMMENDATION

We recommend that you drain the system and refill with a 50/50 long-life coolant/water mixture. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0358486</b>	---	---
Sample Date		Client Info		<b>29 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>43</b>	---	---
Oil Age	hrs	Client Info		<b>5</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## CORROSION

The iron level is high indicating rust in the system which clogs the cooling system.

Iron	ppm	ASTM D5185(m)	>15	<b>▲ 21</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>1</b>	---	---
Copper	ppm	ASTM D5185(m)	>10	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m)	>10	<b>3</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Zinc	ppm	ASTM D5185(m)	>10	<b>4</b>	---	---

## CONTAMINANTS

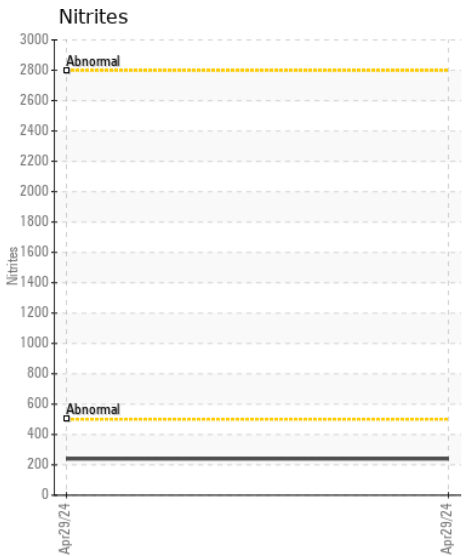
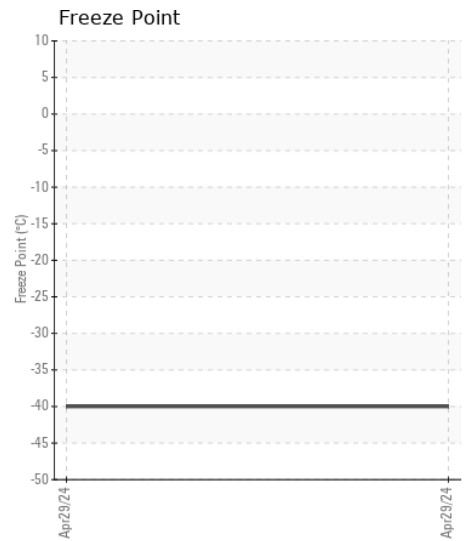
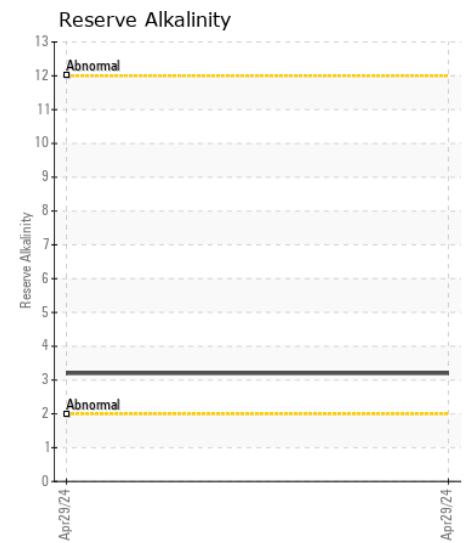
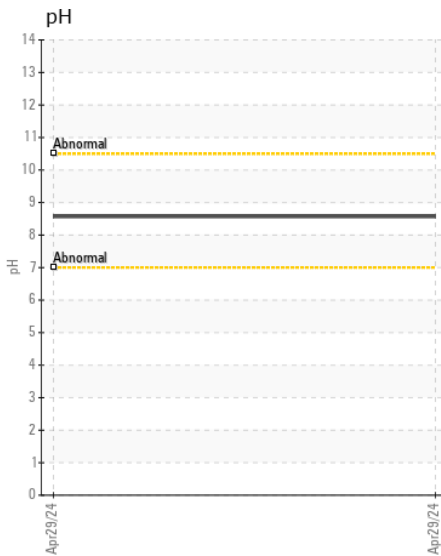
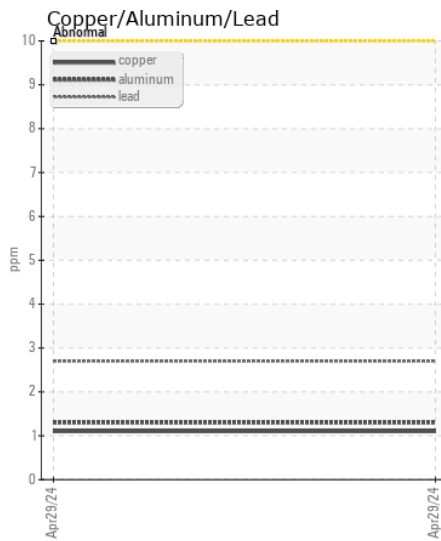
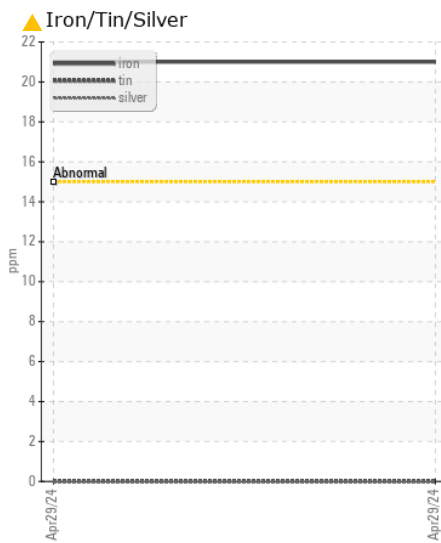
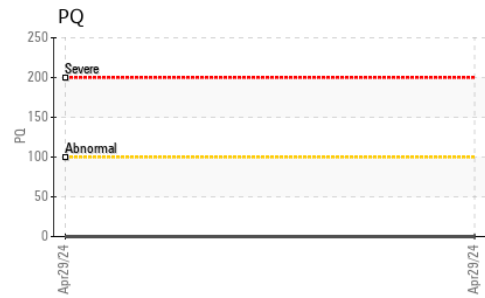
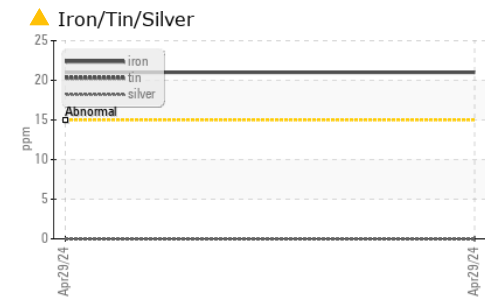
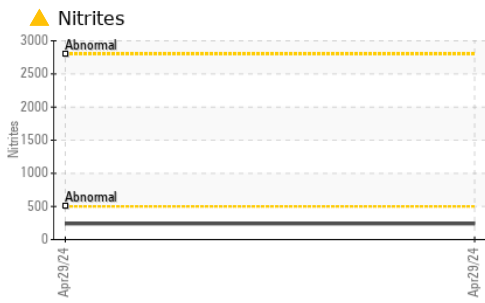
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>3</b>	---	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>1</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Coolant Appearance		Visual*	Clear	<b>▲ Very cld</b>	---	---

## COOLANT CONDITION

The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. 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>108</b>	---	---
Specific Gravity		ASTM D1298*		<b>1.070</b>	---	---
pH	Scale 0-14	ASTM D1287*	9.0	<b>8.57</b>	---	---
Nitrites	ppm	Alcan Test Kit*		<b>240</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>3.2</b>	---	---
Percentage Glycol	%	ASTM D3321*	50	<b>52.6</b>	---	---
Freezing Point	°C	ASTM D3321*	-40	<b>-40</b>	---	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>26</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>29</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>82</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>18</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>1766</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>828</b>	---	---
Coolant Color		Visual*	Orange/R	<b>Orange</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0358486 **Received** : 30 Apr 2024  
**Lab Number** : 02632423 **Tested** : 01 May 2024  
**Unique Number** : 5773576 **Diagnosed** : 02 May 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType, PQ )

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.

**GENREP LTD.**  
 121 WATLINE AVENUE  
 MISSISSAUGA, ON  
 CA L4Z 1P2  
 Contact: Amit Singh  
 asingh@genrep.com  
 T: (905)502-9950  
 F: (905)502-9960