



# COOLANT REPORT

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



Area  
**TRANSMISSION/HANLAN TRANSFER**  
Machine Id  
**266125 (S/N SBK00824)**  
Component  
**Coolant**  
Fluid  
**CATERPILLAR ELC (--- LTR)**

## 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>WC0918907</b>	WC0867729	WC0371948
Sample Date		Client Info		<b>11 Mar 2024</b>	05 Oct 2023	05 Dec 2019
Machine Age	hrs	Client Info		<b>589</b>	0	395
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	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>0</b>	0	2
Aluminum	ppm	ASTM D5185(m)	>10	<b>3</b>	1	7
Copper	ppm	ASTM D5185(m)	>10	<b>0</b>	0	1
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	<1

## CONTAMINANTS

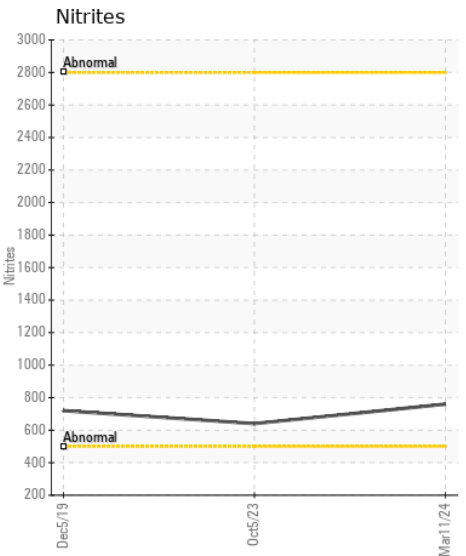
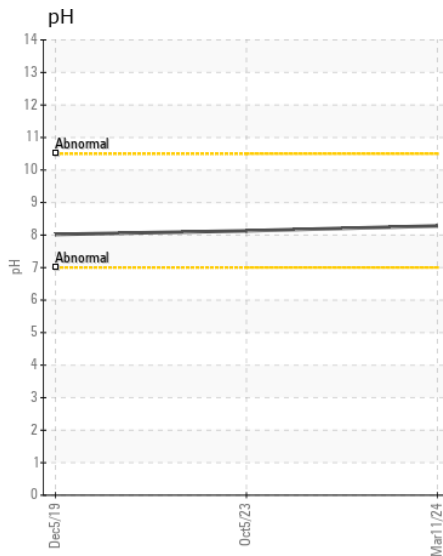
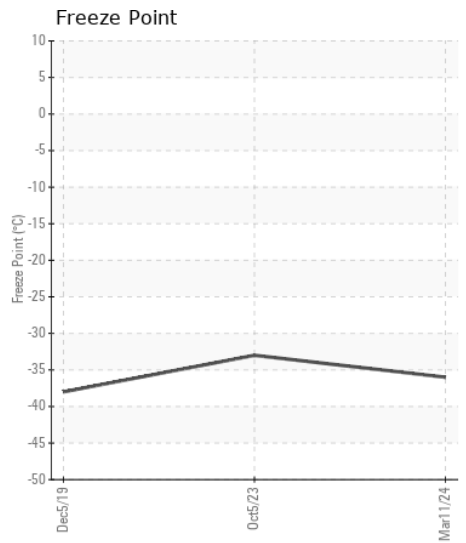
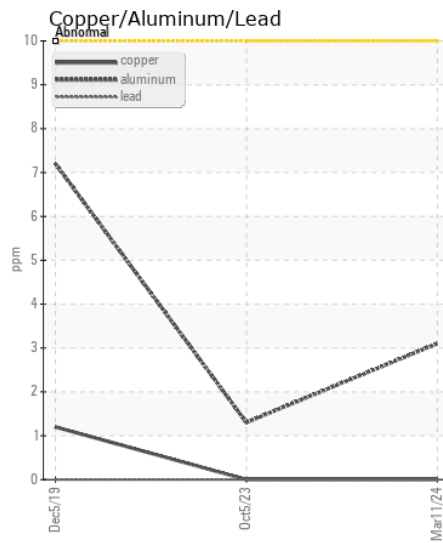
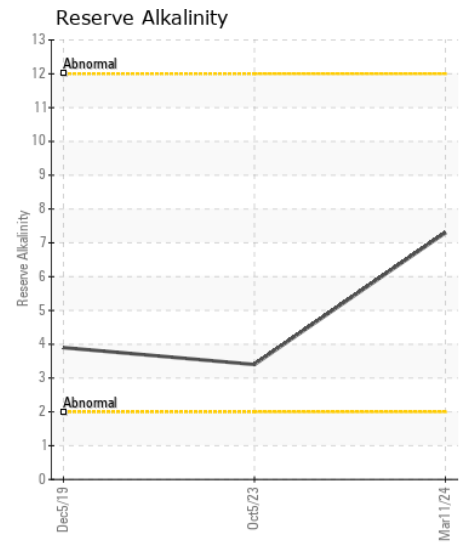
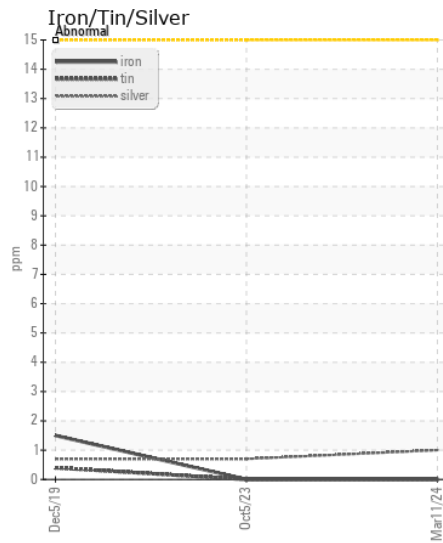
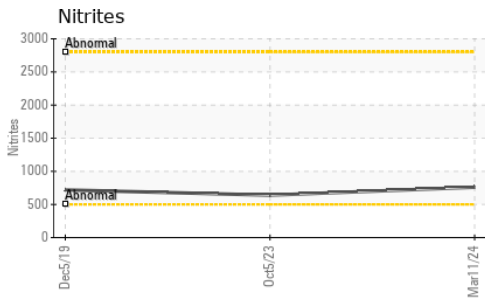
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>6</b>	5	8
Magnesium	ppm	ASTM D5185(m)	>40	<b>2</b>	1	3
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	Cloudy

## COOLANT CONDITION

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

Boiling Point	°C	WC Method*		<b>107</b>	---	---
Specific Gravity		ASTM D1298*	1.070	<b>1.067</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287*	8.3	<b>8.28</b>	8.13	8.02
Nitrites	ppm	Alcan Test Kit*	550	<b>760</b>	640	720
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.5	<b>7.3</b>	3.4	3.9
Percentage Glycol	%	ASTM D3321*	50	<b>49.6</b>	49.4	50.0
Freezing Point	°C	ASTM D3321*	-37	<b>-36</b>	-33	-38
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)	0	<b>9</b>	9	10
Phosphorus	ppm	ASTM D5185(m)	0	<b>5</b>	65	4
Boron	ppm	ASTM D5185(m)	0	<b>9</b>	14	14
Molybdenum	ppm	ASTM D5185(m)	950	<b>576</b>	503	613
Sodium	ppm	ASTM D5185(m)		<b>5442</b>	5427	3259
Potassium	ppm	ASTM D5185(m)		<b>110</b>	323	307
Coolant Color		Visual*	Red	<b>Red</b>	Orange	Red



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0918907  
**Lab Number** : 02625073  
**Unique Number** : 5750192  
**Test Package** : COOL ( Additional Tests: GlycolType )  
**Received** : 27 Mar 2024  
**Tested** : 27 Mar 2024  
**Diagnosed** : 28 Mar 2024 - Kevin Marson

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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.