



# COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
COOLANT CONDITION	NORMAL

Area  
**[134326]**  
 Machine Id  
**73532655**

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

## RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. 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>CU0021734</b>	---	---
Sample Date		Client Info		<b>18 Jan 2024</b>	---	---
Machine Age	hrs	Client Info		<b>3342</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>6</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Zinc	ppm	ASTM D5185(m)	>10	<b>2</b>	---	---

## CONTAMINANTS

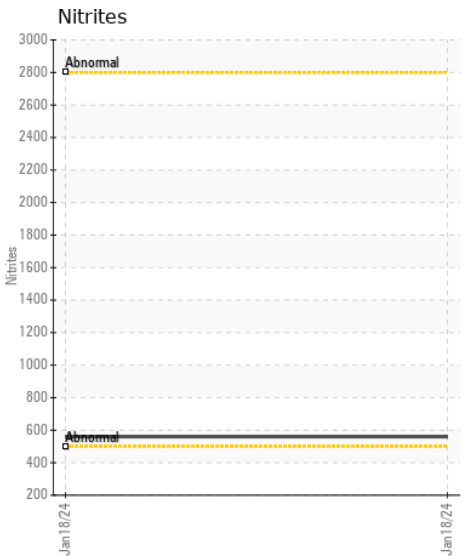
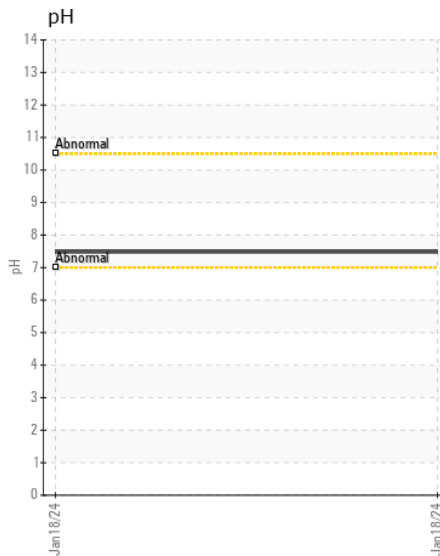
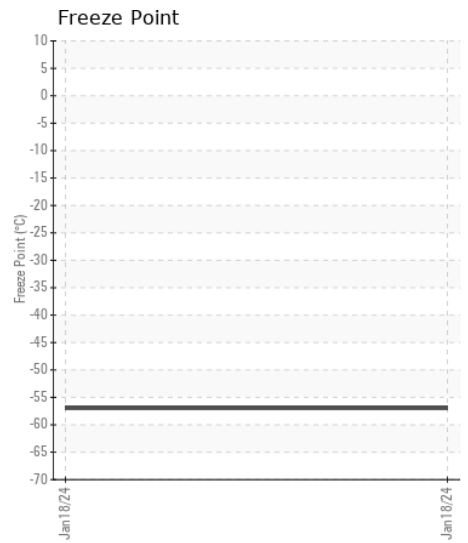
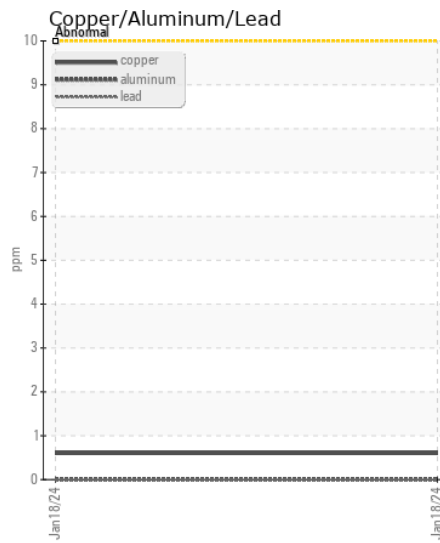
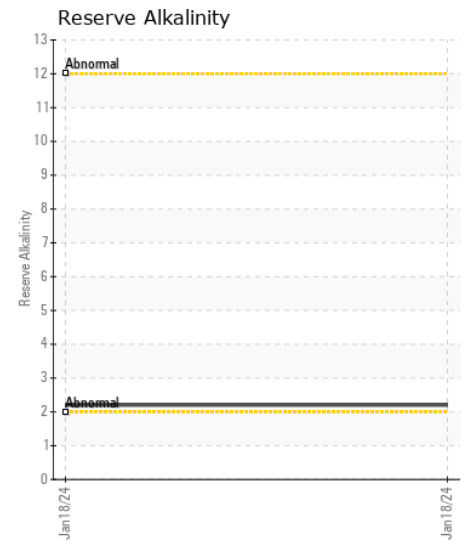
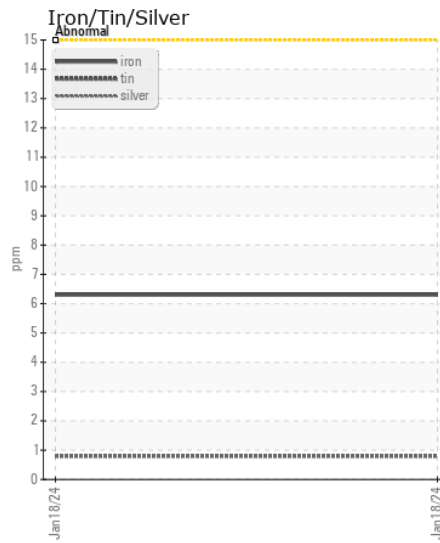
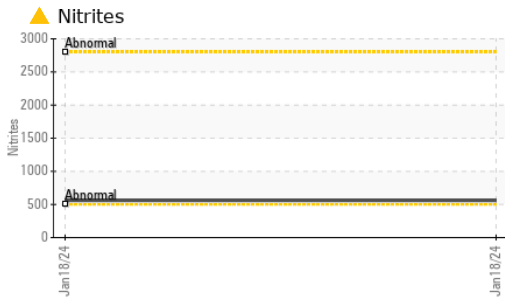
The sample contained a visible amounts of foreign fluid contaminant, the origin and/or type of fluid is unknown. NOTE: There was an insufficient amount of oil to perform further testing of it's origin.

Calcium	ppm	ASTM D5185(m)	>100	<b>2</b>	---	---
Magnesium	ppm	ASTM D5185(m)	>40	<b>2</b>	---	---
Appearance	scalar	Visual*	NORML	<b>▲ OILWG</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 nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable. The coolant is no longer serviceable due to the presence of contaminants.

Specific Gravity		ASTM D1298*		<b>1.080</b>	---	---
pH	Scale 0-14	ASTM D1287*	9.0	<b>7.48</b>	---	---
Nitrites	ppm	Alcan Test Kit*		<b>560</b>	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>2.2</b>	---	---
Percentage Glycol	%	ASTM D3321*	50	<b>60.4</b>	---	---
Freezing Point	°C	ASTM D3321*	-40	<b>-57</b>	---	---
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>27</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>197</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>169</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>23</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>1239</b>	---	---
Potassium	ppm	ASTM D5185(m)		<b>2895</b>	---	---
Coolant Color		Visual*	Orange/R	<b>Orange</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0021734 **Received** : 23 Jan 2024  
**Lab Number** : 02610778 **Diagnosed** : 26 Jan 2024  
**Unique Number** : 5711864 **Diagnostician** : Kevin Marson  
**Test Package** : COOL

**CUMMINS DIESEL**  
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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.