

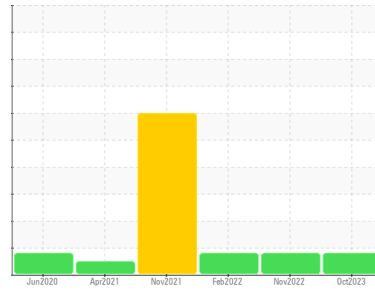


# COOLANT REPORT

Sample Rating Trend

APPEARANCE

Area  
**[99828]**  
 Machine Id  
**280 SLATER (S/N 536103085)**  
 Component  
**Coolant**  
 Fluid  
**EXTENDED LIFE COOLANT (--- GAL)**



## DIAGNOSIS

### Recommendation

We recommend that you drain the system and refill with a 50/50 long-life coolant/water mixture. Resample at the next service interval to monitor.

### Corrosion

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

### Contaminants

There is no indication of any contamination in the coolant.

### 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.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>CU0021077</b>	CU0019824	CU0018667
Sample Date	Client Info	<b>21 Oct 2023</b>	26 Nov 2022	28 Feb 2022
Machine Age	hrs	<b>250</b>	0	211
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	<b>1.061</b>	1.060	1.066
pH	Scale 0-14	<b>9.66</b>	9.34	9.23
Nitrites	ppm	<b>1000</b>	880	1280
Reserve Alkalinity	Scale 0-20	<b>7.0</b>	5.6	2.9
Percentage Glycol	%	<b>45.3</b>	44.9	49.0
Freezing Point	°C	<b>-24</b>	-21	-35
Carboxylate		---	---	---

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm	<b>61</b>	56	31
Phosphorus	ppm	<b>1230</b>	824	16
Boron	ppm	<b>248</b>	260	155
Molybdenum	ppm	<b>419</b>	423	2

## CORROSION

method	limit/base	current	history1	history2
Iron	ppm	<b>8</b>	2	14
Aluminum	ppm	<b>3</b>	3	2
Copper	ppm	<b>7</b>	5	9
Lead	ppm	<b>2</b>	1	▲ 20
Tin	ppm	<b>0</b>	0	0
Silver	ppm	<b>2</b>	0	<1
Zinc	ppm	<b>&lt;1</b>	<1	2

## CARRIER SALTS

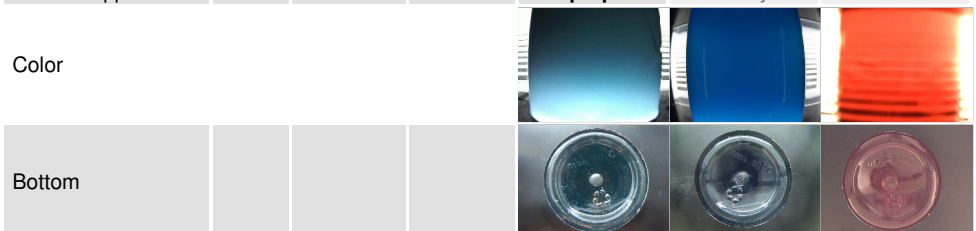
method	limit/base	current	history1	history2
Sodium	ppm	<b>1324</b>	1113	1070
Potassium	ppm	<b>7236</b>	2646	183

## SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm	<b>&lt;1</b>	2	5
Magnesium	ppm	<b>&lt;1</b>	<1	2
Hardness	mg/L CaCO3	<b>4</b>	8	18

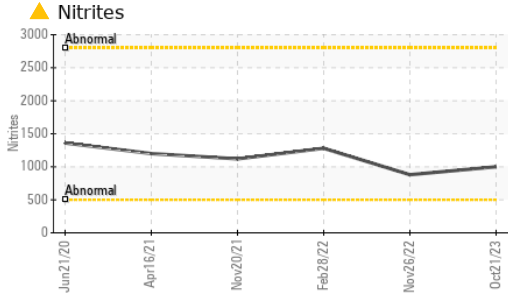
## VISUAL

method	limit/base	current	history1	history2	
Coolant Color	Visual*	Orange/R	<b>Blue</b>	Blue	Red
Coolant Appearance	Visual*	Clear	<b>▲ Opaque</b>	▲ Cloudy	Clear

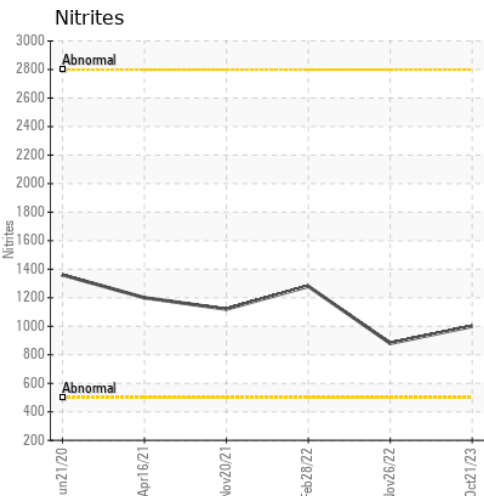
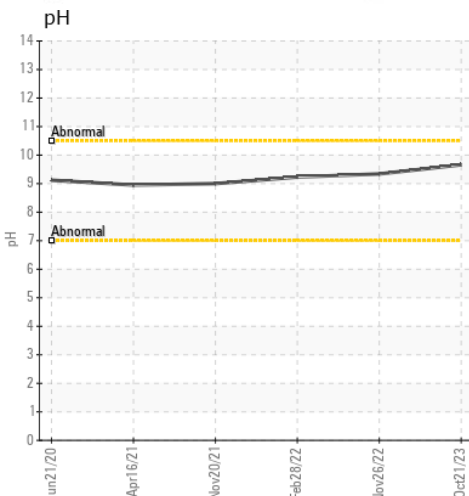
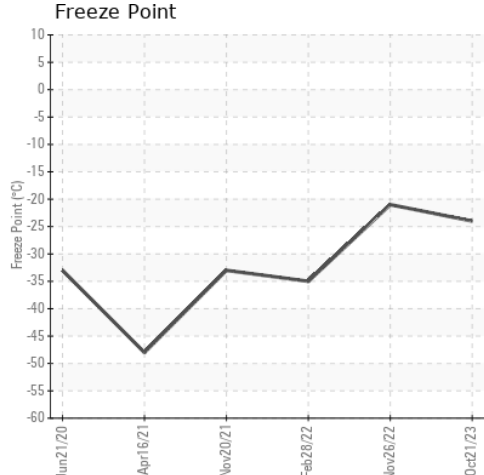
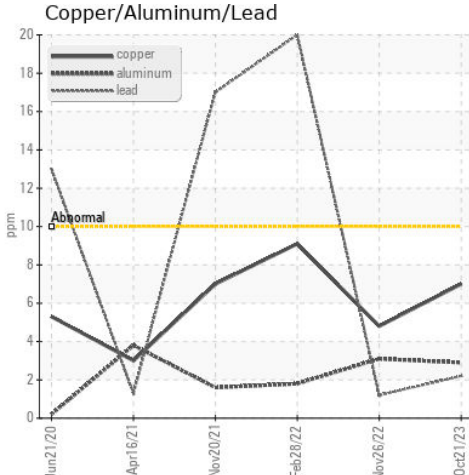
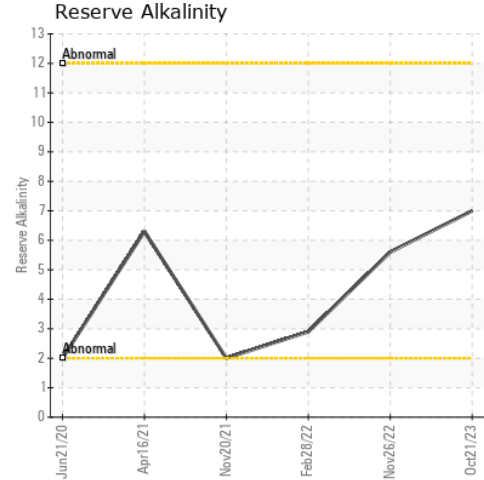
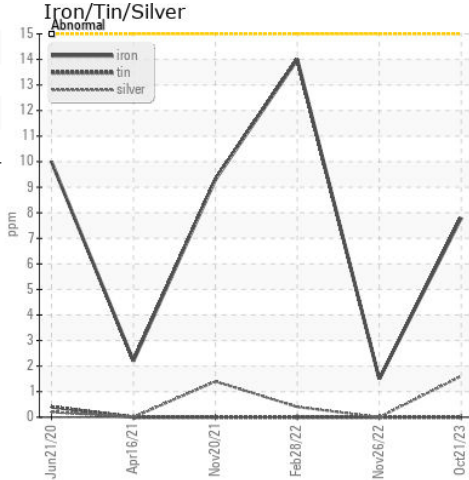




# COOLANT REPORT



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0021077  
**Lab Number** : 02591874  
**Unique Number** : 5668953  
**Test Package** : COOL

**CUMMINS EASTERN CANADA LP**  
 3189 SWANSEA CRESCENT  
 OTTAWA, ON  
 CA K1G 3W5  
 Contact: Cindy Harrison  
 cindy.harrison@cummins.com  
 T: (613)736-1146  
 F: x:

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.