



COOLANT REPORT

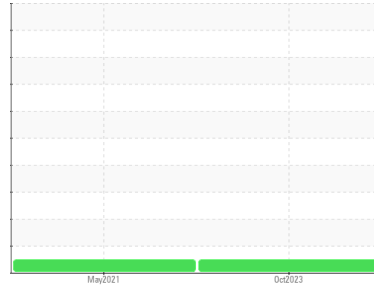
Sample Rating Trend

NORMAL



Area
[138358]
Machine Id
78 THOMAS ST

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



DIAGNOSIS

Recommendation

The fluid is suitable for further service. 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 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	CU0021780	CU0017794	---
Sample Date	Client Info	22 Oct 2023	05 May 2021	---
Machine Age	hrs Client Info	0	0	---
Oil Age	hrs Client Info	0	0	---
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	NORMAL	---

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	1.069	1.071	---
pH	Scale 0-14 ASTM D1287*	8.80	8.86	---
Nitrites	ppm Alcan Test Kit*	920	960	---
Reserve Alkalinity	Scale 0-20 ASTM D1121*	6.7	6.0	---
Percentage Glycol	% ASTM D3321*	51.4	53.0	---
Freezing Point	°C ASTM D3321*	-38	-43	---
Carboxylate		---	---	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	80	31	---
Phosphorus	ppm ASTM D5185(m)	1531	651	---
Boron	ppm ASTM D5185(m)	310	390	---
Molybdenum	ppm ASTM D5185(m)	496	297	---

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >15	0	<1	---
Aluminum	ppm ASTM D5185(m) >10	4	1	---
Copper	ppm ASTM D5185(m) >10	<1	2	---
Lead	ppm ASTM D5185(m) >10	<1	3	---
Tin	ppm ASTM D5185(m) >10	0	<1	---
Silver	ppm ASTM D5185(m) >10	1	0	---
Zinc	ppm ASTM D5185(m)	0	1	---

CARRIER SALTS

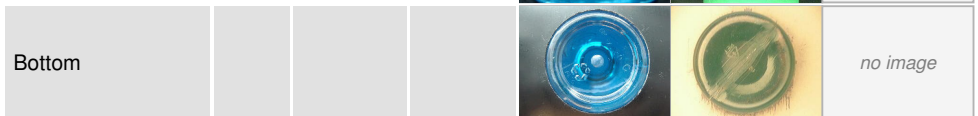
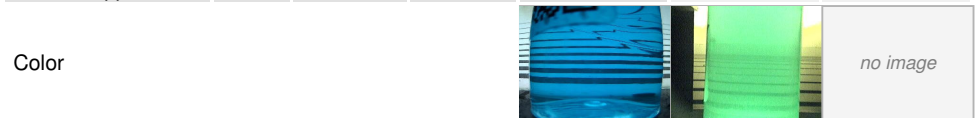
method	limit/base	current	history1	history2
Sodium	ppm ASTM D5185(m)	1762	1311	---
Potassium	ppm ASTM D5185(m)	10677	2944	---

SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185(m) >100	3	1	---
Magnesium	ppm ASTM D5185(m) >40	<1	<1	---
Hardness	mg/L CaCO3 In-house* <75	8	---	---

VISUAL

method	limit/base	current	history1	history2
Coolant Color	Visual* Orange/R	Blue	Green	---
Coolant Appearance	Visual* Clear	Clear	Clear	---

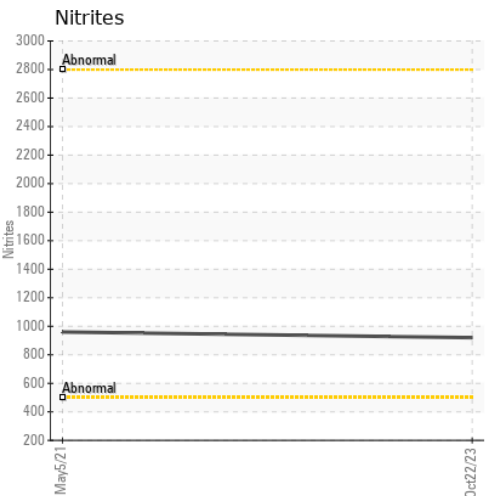
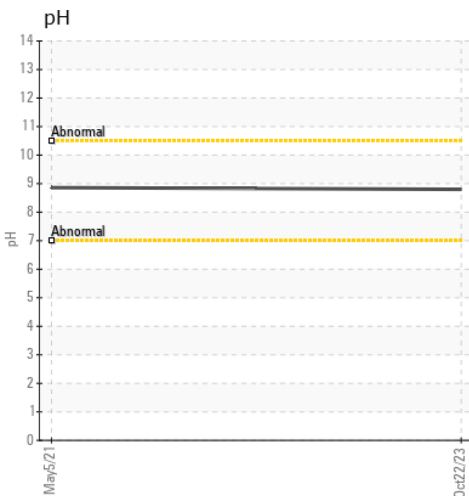
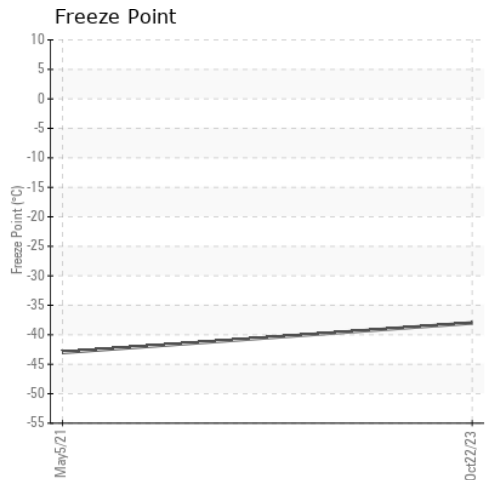
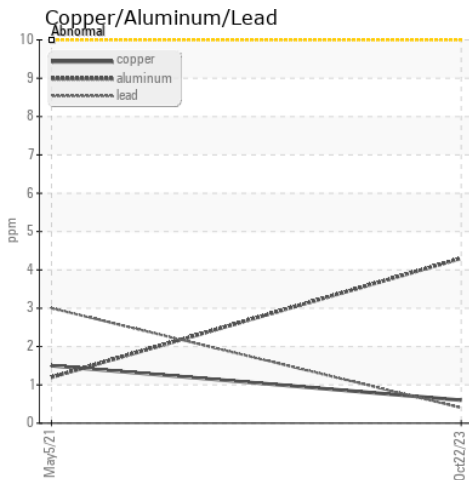
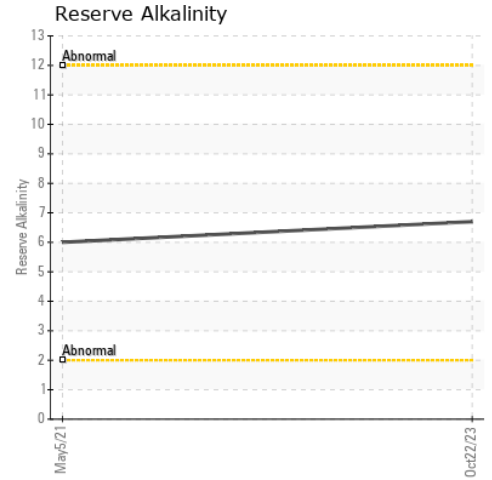
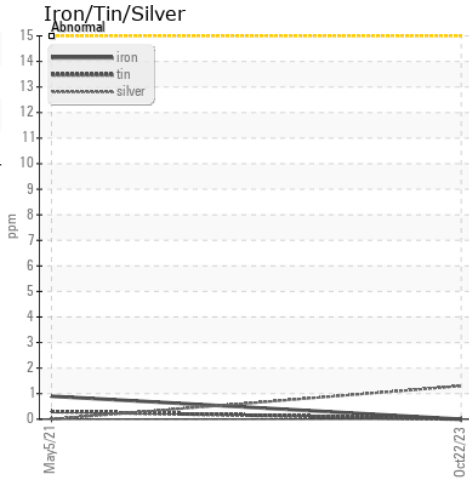




COOLANT REPORT



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0021780 **Received** : 23 Oct 2023
Lab Number : 02591194 **Diagnosed** : 24 Oct 2023
Unique Number : 5668273 **Diagnostician** : Kevin Marson
Test Package : COOL

CUMMINS DIESEL
 50 SIMMONDS DRIVE
 DARTMOUTH, NS
 CA B3B 1R3
 Contact: Tanya Brown
 tanya.brown@cummins.com
 T: (902)468-7938
 F: (902)468-5177

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.