



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	ABNORMAL
COOLANT CONDITION	NORMAL

COMPASS DATA [154382]

Area

Machine Id

3D

Component

Coolant

Fluid

RECOMMENDATION

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0023340	CU0022340	---
Sample Date		Client Info		28 May 2024	05 Dec 2023	---
Machine Age	hrs	Client Info		77	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<1	1	---
Aluminum	ppm	ASTM D5185(m)	>10	3	4	---
Copper	ppm	ASTM D5185(m)	>10	<1	<1	---
Lead	ppm	ASTM D5185(m)	>10	0	0	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Silver	ppm	ASTM D5185(m)	>10	0	<1	---
Zinc	ppm	ASTM D5185(m)	>10	46	0	---

CONTAMINANTS

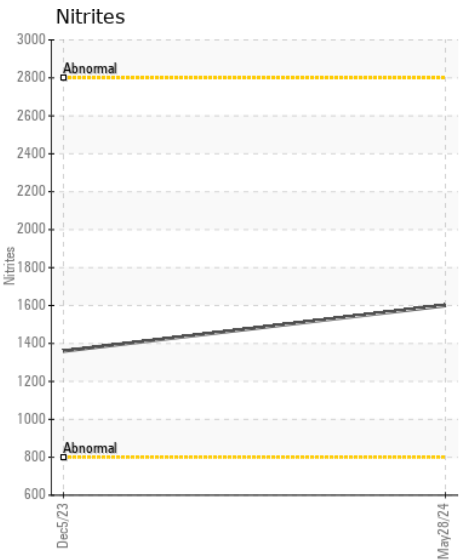
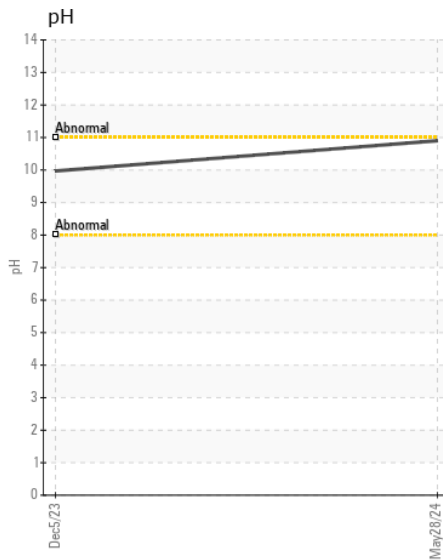
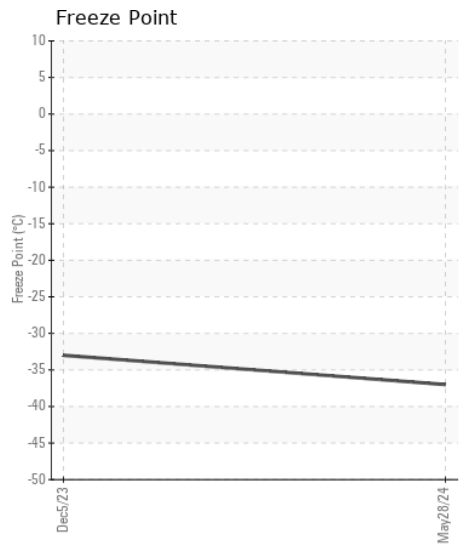
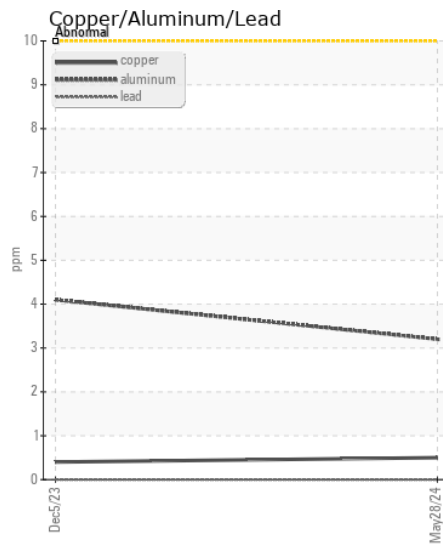
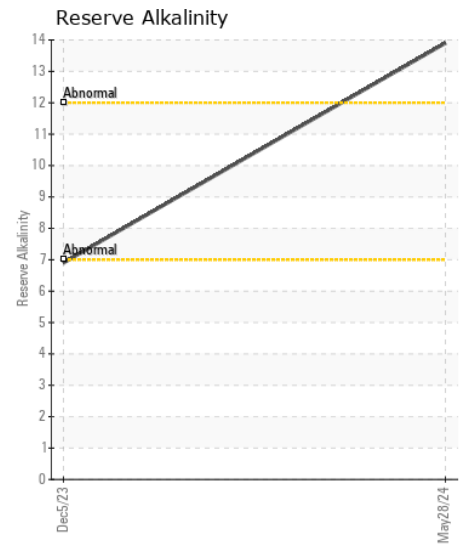
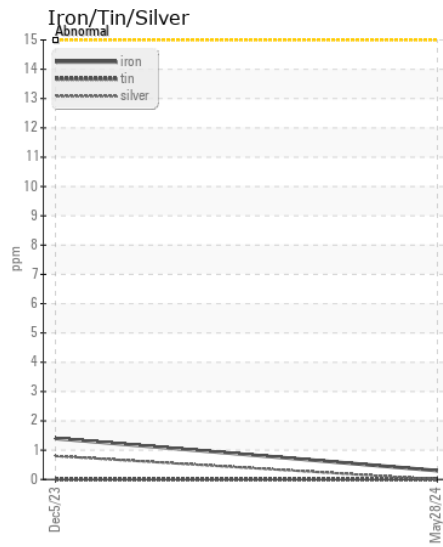
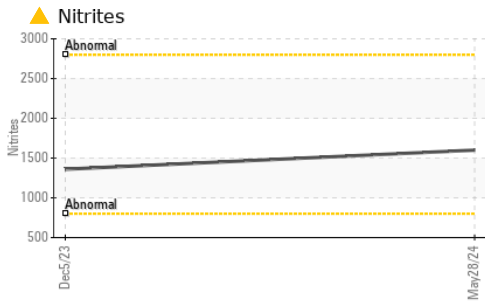
There is no indication of any contamination in the component(unconfirmed).

Calcium	ppm	ASTM D5185(m)	>100	2	4	---
Magnesium	ppm	ASTM D5185(m)	>40	1	0	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Coolant Appearance		Visual*	Clear	▲ Cloudy	Clear	---

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.

Boiling Point	°C	WC Method*		107	---	---
Specific Gravity		ASTM D1298*		1.067	1.067	---
pH	Scale 0-14	ASTM D1287*	9.5	10.9	9.97	---
Nitrites	ppm	Alcan Test Kit*	1500	1600	1360	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	13.9	6.9	---
Percentage Glycol	%	ASTM D3321*	50	50.0	49.3	---
Freezing Point	°C	ASTM D3321*	-40	-37	-33	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		48	70	---
Phosphorus	ppm	ASTM D5185(m)		897	896	---
Boron	ppm	ASTM D5185(m)		285	235	---
Molybdenum	ppm	ASTM D5185(m)		601	421	---
Sodium	ppm	ASTM D5185(m)		3073	1358	---
Potassium	ppm	ASTM D5185(m)		4390	7625	---
Coolant Color		Visual*	Green	Other	Green	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0023340
Lab Number : 02640883
Unique Number : 5798422
Test Package : COOL (Additional Tests: GlycolType)

CUMMINS CANADA ULC - GENERATOR DIVISION
 7175 PACIFIC CIRCLE
 MISSISSAUGA, ON
 CA L5T 2A5
 Contact: Elisia Johnson
 elisia.johnson@cummins.com
 T: (905)795-0050
 F: (905)795-9252

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.