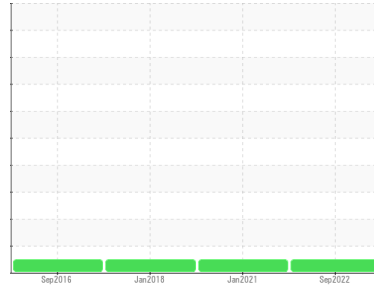




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
MARS [136034]
 Machine Id
UNIT #2 (S/N 25291510)
 Component
Coolant
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is . Please confirm the coolant type and grade, and specify the brand of the coolant on your next sample.

Corrosion

All component wear rates are normal.

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

The condition of the coolant is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			CU0020052	CU0016767	CU0013180
Sample Date	Client Info			08 Sep 2022	04 Jan 2021	17 Jan 2018
Machine Age	hrs	Client Info		334	304	272
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*			1.061	1.063	1.064
pH	Scale 0-14	ASTM D1287*		9.36	9.43	9.16
Nitrites	ppm	Alcan Test Kit*		1120	1920	1640
Reserve Alkalinity	Scale 0-20	ASTM D1121*		7.2	7.5	7.5
Percentage Glycol	%	ASTM D3321*		45.2	46.0	47.0
Freezing Point	°C	ASTM D3321*		-24	-32	-33
Carboxylate				---	---	---

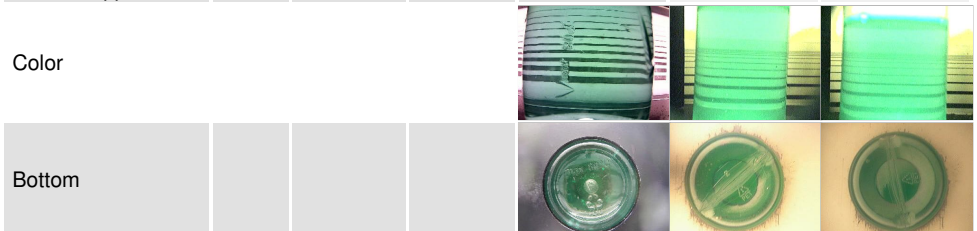
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		62	56	49
Phosphorus	ppm	ASTM D5185(m)		943	995	1018
Boron	ppm	ASTM D5185(m)		286	294	273
Molybdenum	ppm	ASTM D5185(m)		521	536	585

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

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		1576	1634	1524
Potassium	ppm	ASTM D5185(m)		3167	4175	4984

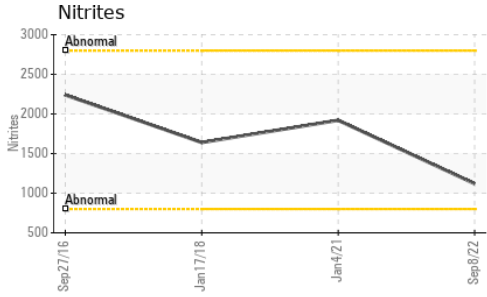
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	4	5	0
Magnesium	ppm	ASTM D5185(m)	>40	<1	2	2
Hardness	mg/L CaCO3	In-house*	<75	12	---	---

VISUAL		method	limit/base	current	history1	history2
Coolant Color	Visual*			Green	Green	Green
Coolant Appearance	Visual*	Clear		Clear	Clear	Clear

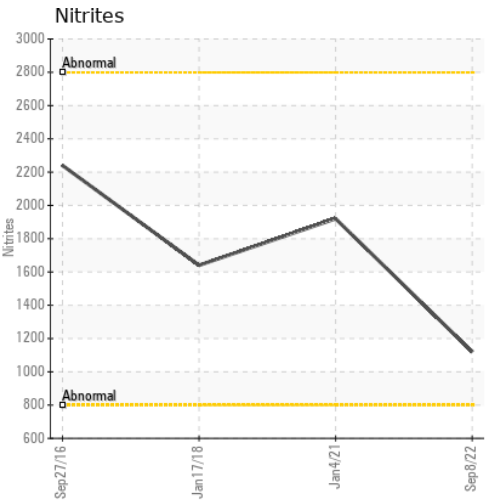
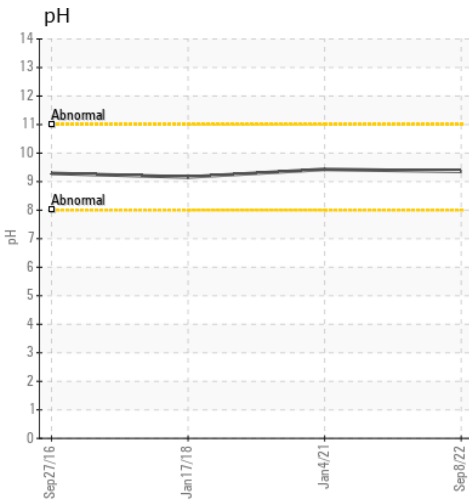
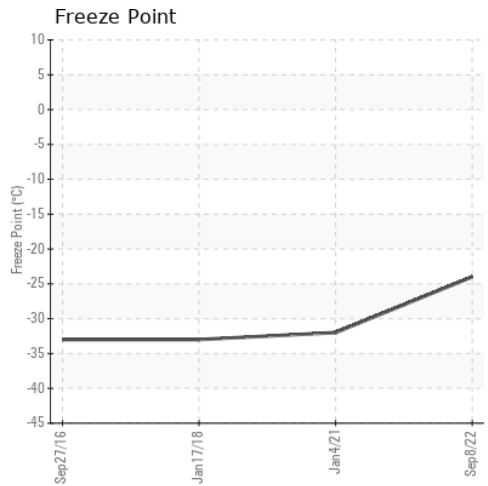
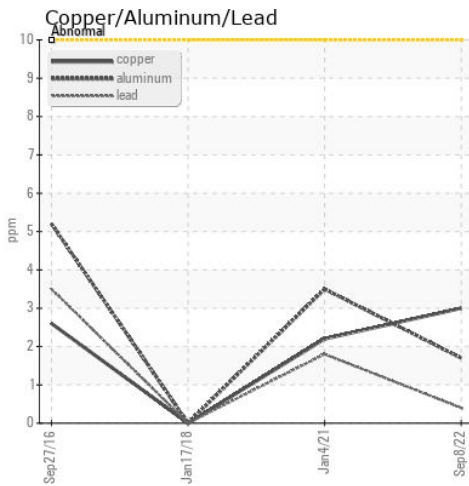
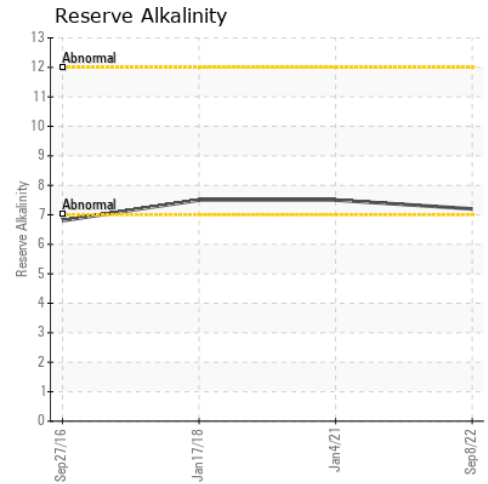
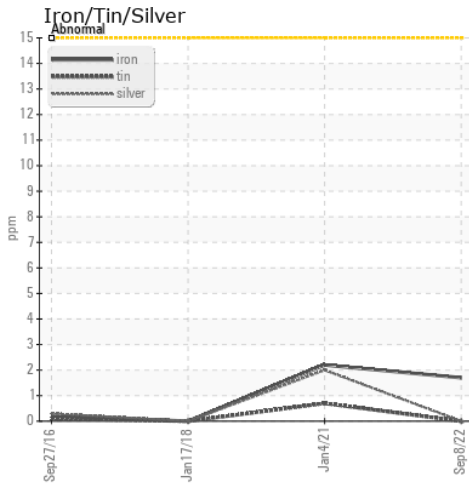




COOLANT REPORT



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CUMMINS CANADA ULC - GENERATOR DIVISION**
Sample No. : CU0020052 **Received** : 14 Sep 2022 **7175 PACIFIC CIRCLE**
Lab Number : 02510621 **Tested** : 14 Sep 2022 **MISSISSAUGA, ON**
Unique Number : 5451591 **Diagnosed** : 14 Sep 2022 - Wes Davis **CA L5T 2A5**
Test Package : COOL **Contact:** Elisia Johnson

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.

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