



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
YORK ENERGY [149339]

Machine Id
79494051

Component
Coolant

Fluid
EXTENDED LIFE COOLANT (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) EXTENDED LIFE COOLANT. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0022358	CU0020624	CU0018203
Sample Date		Client Info		31 Oct 2023	30 Nov 2022	01 Dec 2021
Machine Age	hrs	Client Info		352	336	316
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>15	0	2	<1
Aluminum	ppm	ASTM D5185(m)	>10	4	6	2
Copper	ppm	ASTM D5185(m)	>10	<1	3	<1
Lead	ppm	ASTM D5185(m)	>10	0	1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Silver	ppm	ASTM D5185(m)	>10	<1	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	0	<1	<1

CONTAMINANTS

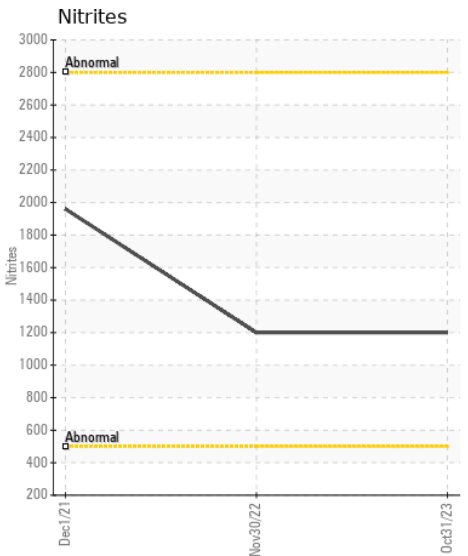
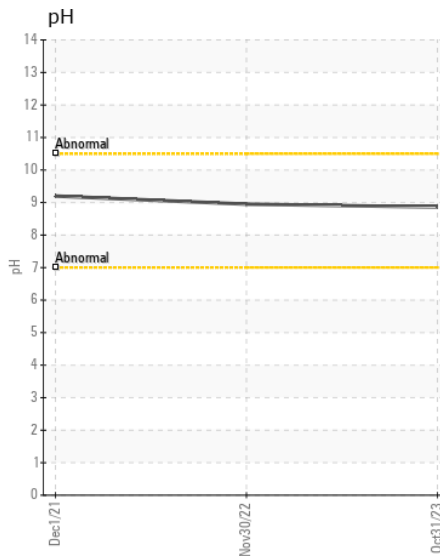
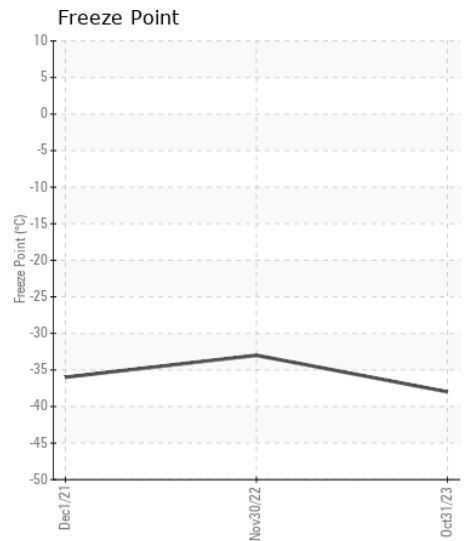
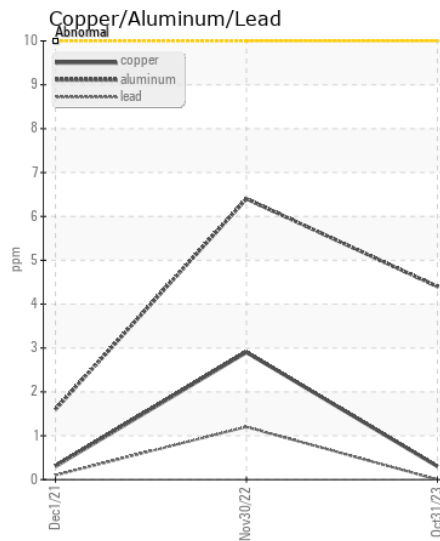
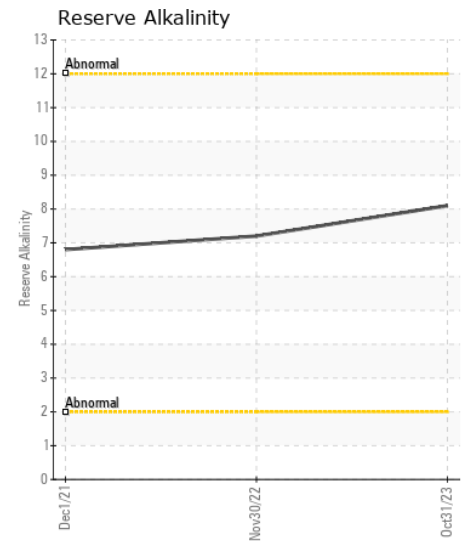
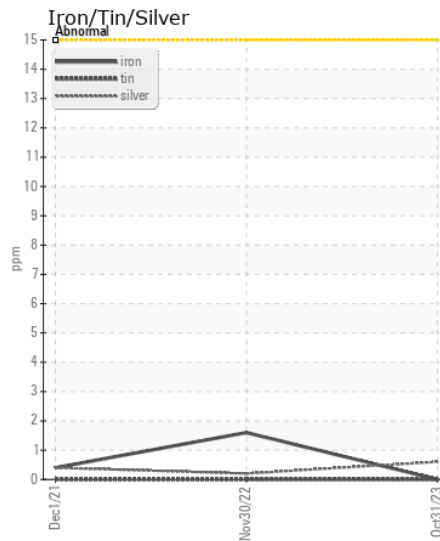
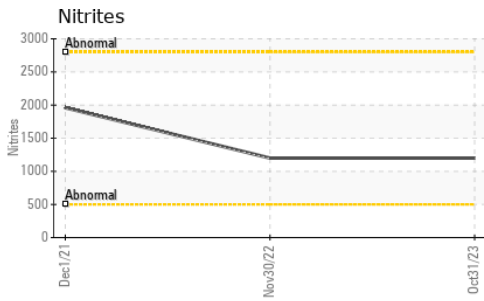
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<1	3	<1
Magnesium	ppm	ASTM D5185(m)	>40	<1	<1	1
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	Clear	Clear

COOLANT CONDITION

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

Specific Gravity		ASTM D1298*		1.069	1.067	1.067
pH	Scale 0-14	ASTM D1287*	9.0	8.86	8.95	9.20
Nitrites	ppm	Alcan Test Kit*		1200	1200	1960
Reserve Alkalinity	Scale 0-20	ASTM D1121*		8.1	7.2	6.8
Percentage Glycol	%	ASTM D3321*	50	51.4	49.3	50.0
Freezing Point	°C	ASTM D3321*	-40	-38	-33	-36
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		60	59	3
Phosphorus	ppm	ASTM D5185(m)		1152	1008	889
Boron	ppm	ASTM D5185(m)		294	308	193
Molybdenum	ppm	ASTM D5185(m)		591	551	329
Sodium	ppm	ASTM D5185(m)		2195	1288	1015
Potassium	ppm	ASTM D5185(m)		11930	3049	2094
Coolant Color		Visual*	Orange/R	Blue	Blue	Blue



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0022358
Lab Number : 02593729
Unique Number : 5670808
Test Package : COOL
Received : 02 Nov 2023
Tested : 02 Nov 2023
Diagnosed : 02 Nov 2023 - Wes Davis

CUMMINS CANADA ULC - GENERATOR DIVISION
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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.