



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
JOHNSON CONTROLS [154159]
 Machine Id
33197082
 Component
Coolant
 Fluid
FLEETGUARD ES COMPLEAT (--- GAL)

RECOMMENDATION

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0022850	CU0015874	CU0013959
Sample Date		Client Info		08 Mar 2024	10 Feb 2020	23 May 2018
Machine Age	hrs	Client Info		492	238	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

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

CONTAMINANTS

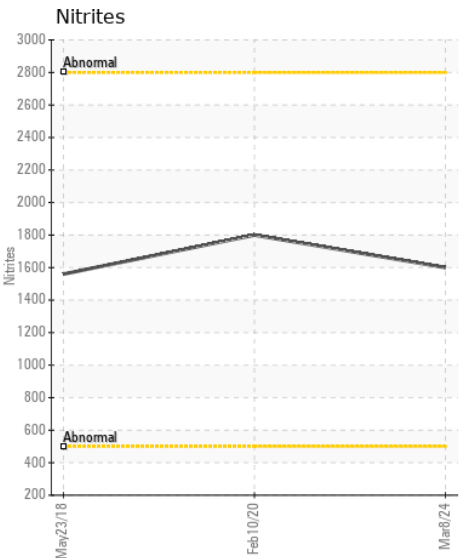
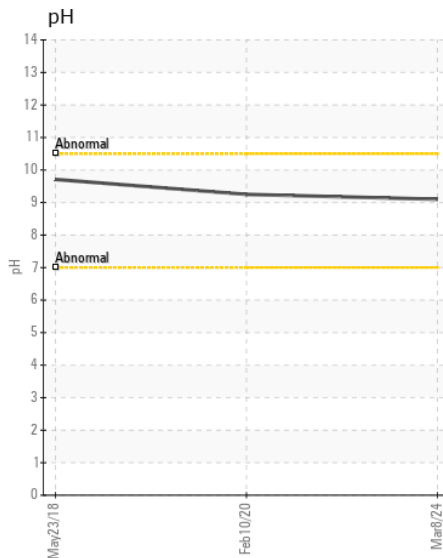
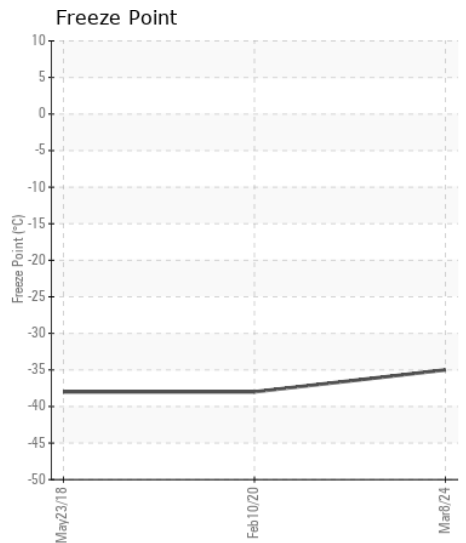
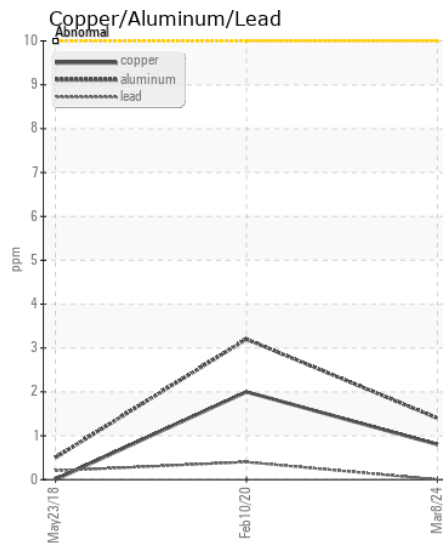
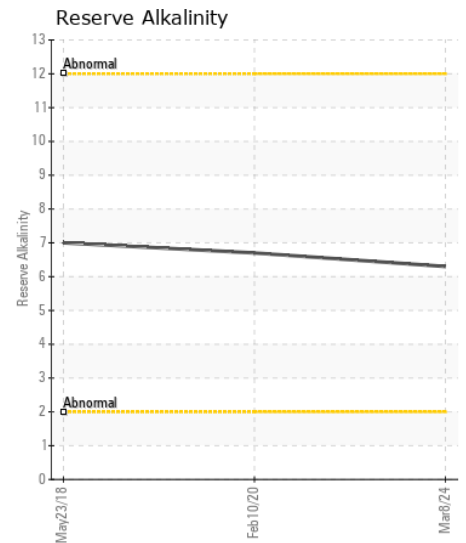
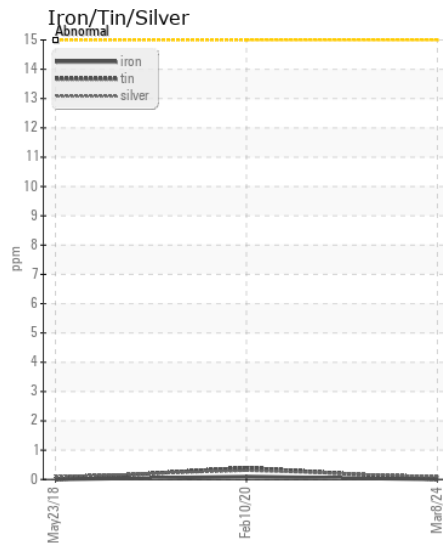
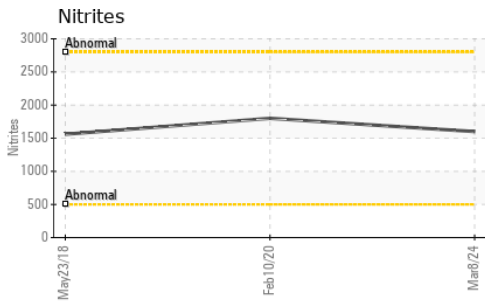
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	1	1	0
Magnesium	ppm	ASTM D5185(m)	>40	<1	<1	3
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	Clear	Clear

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.

Boiling Point	°C	WC Method*		107	---	---
Specific Gravity		ASTM D1298*	1.07	1.066	1.067	1.067
pH	Scale 0-14	ASTM D1287*	10.5	9.10	9.25	9.71
Nitrites	ppm	Alcan Test Kit*		1600	1800	1560
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.0	6.3	6.7	7.0
Percentage Glycol	%	ASTM D3321*		48.8	50.0	50.0
Freezing Point	°C	ASTM D3321*	-37	-35	-38	-38
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		26	44	64
Phosphorus	ppm	ASTM D5185(m)		723	1053	1137
Boron	ppm	ASTM D5185(m)		207	373	495
Molybdenum	ppm	ASTM D5185(m)		344	505	581
Sodium	ppm	ASTM D5185(m)		1090	1483	1501
Potassium	ppm	ASTM D5185(m)		3603	3870	5566
Coolant Color		Visual*	Blue	Other	Green	Green



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0022850
Lab Number : 02640891
Unique Number : 5798430
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.