



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
ESTRUXTURE [154146]
 Machine Id
25399016 GEN 9
 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		CU0022729	CU0019599	CU0019596
Sample Date		Client Info		18 Mar 2024	21 Nov 2022	21 Nov 2022
Machine Age	hrs	Client Info		188	189	189
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
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	<1
Aluminum	ppm	ASTM D5185(m)	>10	3	4	4
Copper	ppm	ASTM D5185(m)	>10	1	3	3
Lead	ppm	ASTM D5185(m)	>10	0	0	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Silver	ppm	ASTM D5185(m)	>10	0	0	0
Zinc	ppm	ASTM D5185(m)	>10	<1	<1	<1

CONTAMINANTS

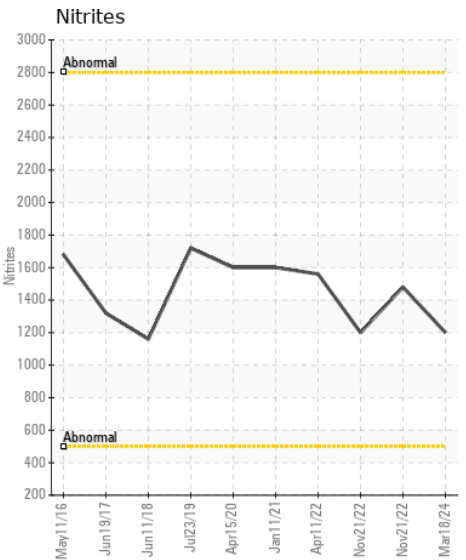
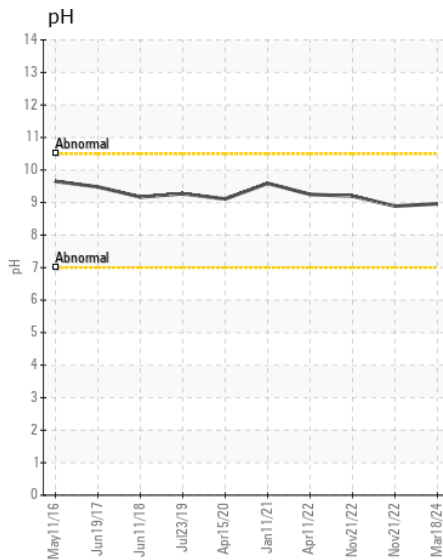
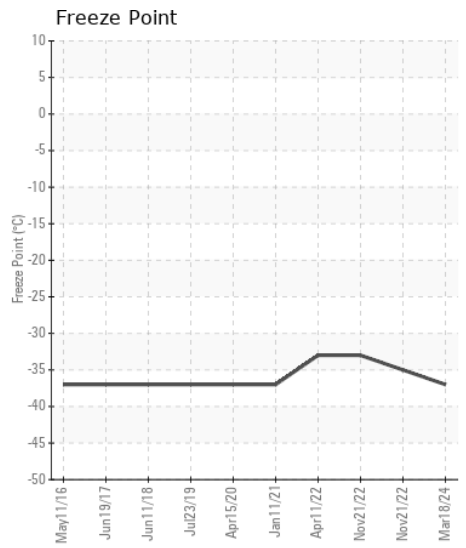
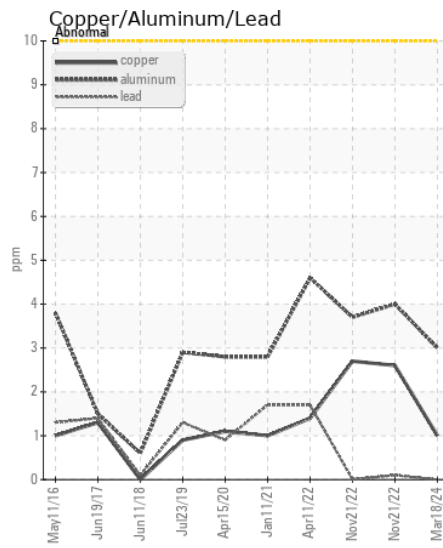
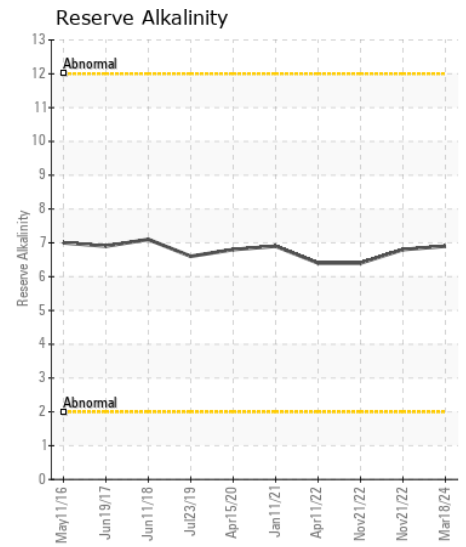
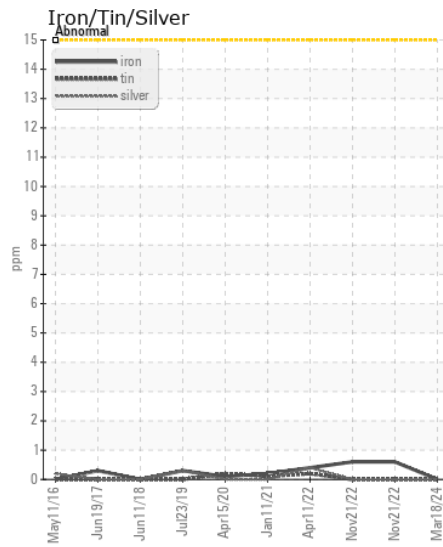
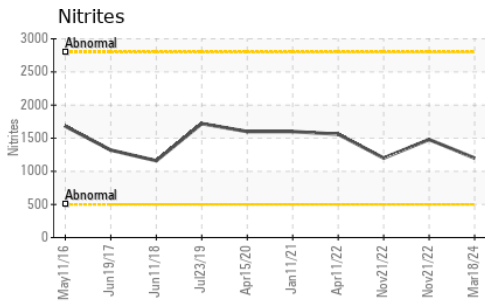
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	1	1	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 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	1.068	1.068	1.067
pH	Scale 0-14	ASTM D1287*	10.5	8.96	8.89	9.20
Nitrites	ppm	Alcan Test Kit*		1200	1480	1200
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.0	6.9	6.8	6.4
Percentage Glycol	%	ASTM D3321*		50.1	50.1	49.9
Freezing Point	°C	ASTM D3321*	-37	-37	-35	-33
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		48	62	59
Phosphorus	ppm	ASTM D5185(m)		776	783	762
Boron	ppm	ASTM D5185(m)		247	298	290
Molybdenum	ppm	ASTM D5185(m)		399	473	487
Sodium	ppm	ASTM D5185(m)		1356	1283	1257
Potassium	ppm	ASTM D5185(m)		4656	2971	2919
Coolant Color		Visual*	Blue	Blue	Blue	Blue



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0022729
Lab Number : 02632118
Unique Number : 5773271
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.