



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area

[103328]

Machine Id

44437257 (S/N B907101601)

Component

Coolant

Fluid

EXTENDED LIFE COOLANT (--- 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		CU0021137	CU0019832	CU0017545
Sample Date		Client Info		13 Apr 2024	01 Apr 2023	10 Apr 2021
Machine Age	hrs	Client Info		378	360	325
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

CORROSION

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

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

CONTAMINANTS

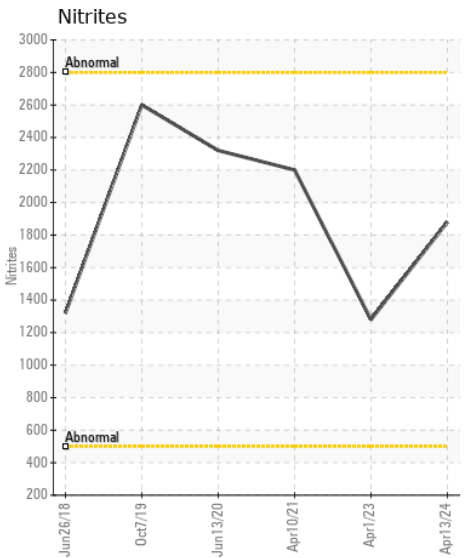
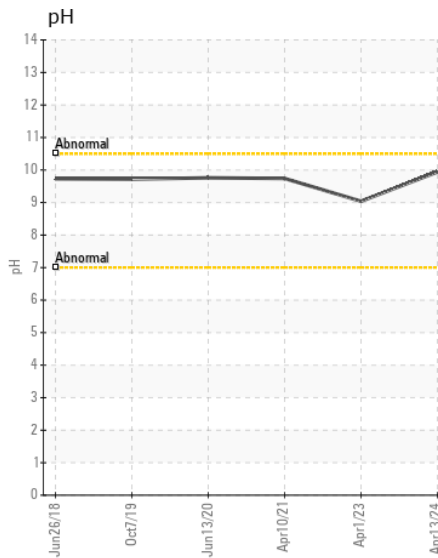
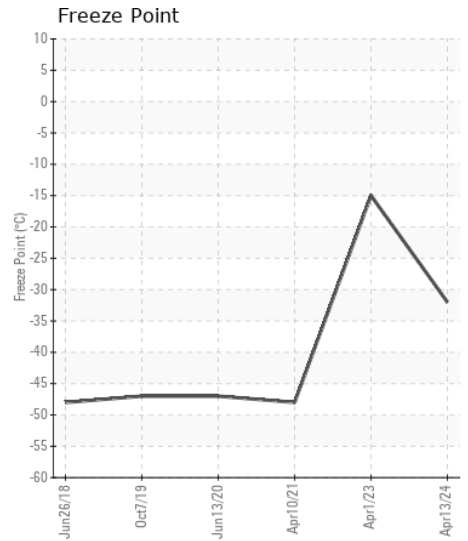
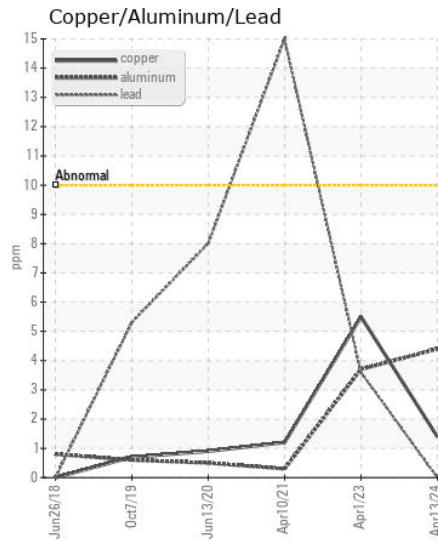
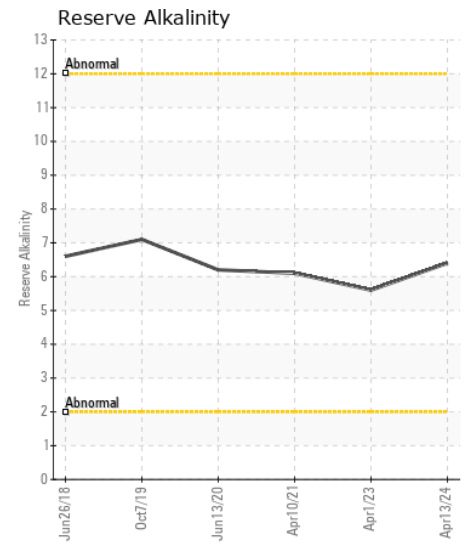
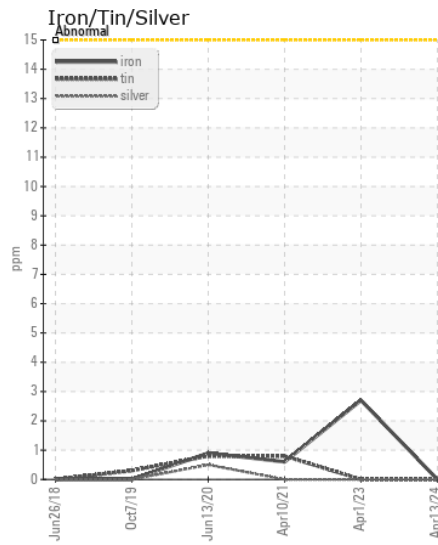
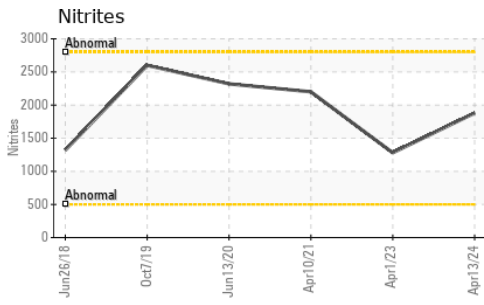
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	2	2	2
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*		1.063	1.056	1.076
pH	Scale 0-14	ASTM D1287*	9.0	9.94	9.04	9.74
Nitrites	ppm	Alcan Test Kit*		1880	1280	2200
Reserve Alkalinity	Scale 0-20	ASTM D1121*		6.4	5.6	6.1
Percentage Glycol	%	ASTM D3321*	50	46.8	41.2	57.0
Freezing Point	°C	ASTM D3321*	-40	-32	-15	-48
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		52	70	24
Phosphorus	ppm	ASTM D5185(m)		696	665	408
Boron	ppm	ASTM D5185(m)		215	243	543
Molybdenum	ppm	ASTM D5185(m)		379	400	24
Sodium	ppm	ASTM D5185(m)		959	915	2605
Potassium	ppm	ASTM D5185(m)		3517	2303	1248
Coolant Color		Visual*	Orange/R	Blue	Blue	Pink



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0021137
Lab Number : 02629396
Unique Number : 5762528
Test Package : COOL (Additional Tests: GlycolType)

Received : 16 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 17 Apr 2024 - Kevin Marson

CUMMINS EASTERN CANADA LP
 3189 SWANSEA CRESCENT
 OTTAWA, ON
 CA K1G 3W5
 Contact: Cindy Harrison
 cindy.harrison@cummins.com

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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