



COOLANT REPORT

CORROSION	ABNORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	ABNORMAL

Area
[104102]

Machine Id
5117A

Component
Coolant

Fluid
HYBRID (HOAT) COOLANT (--- GAL)

RECOMMENDATION

The coolant change at the time of sampling has been noted. Recommend that you ensure the same technology coolant is being used for make-up. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0023589	---	---
Sample Date		Client Info		22 Jun 2024	---	---
Machine Age	hrs	Client Info		535	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

CORROSION

Copper ppm levels are abnormal. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	---	---
Copper	ppm	ASTM D5185(m)	>10	▲ 35	---	---
Lead	ppm	ASTM D5185(m)	>10	<1	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Silver	ppm	ASTM D5185(m)	>10	0	---	---
Zinc	ppm	ASTM D5185(m)	>10	<1	---	---

CONTAMINANTS

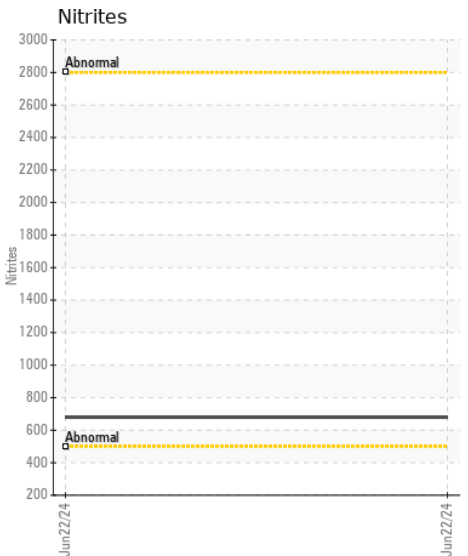
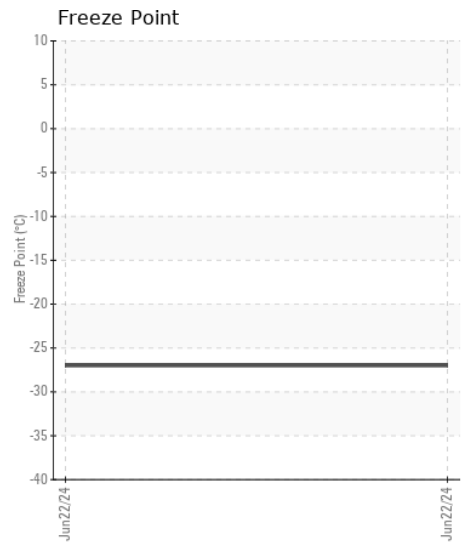
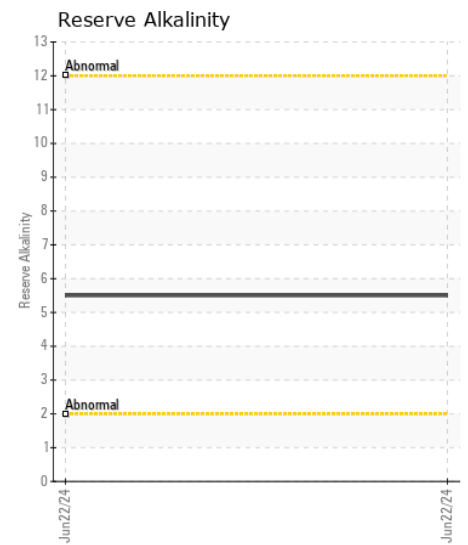
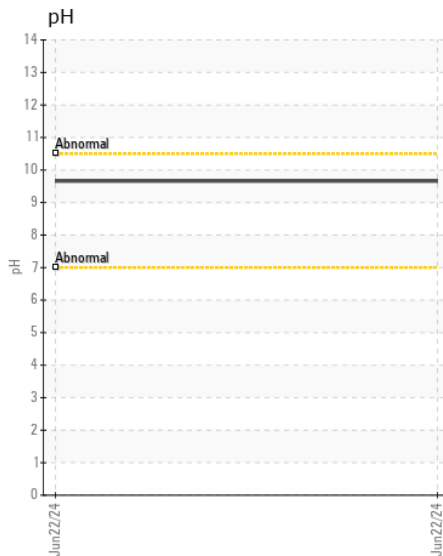
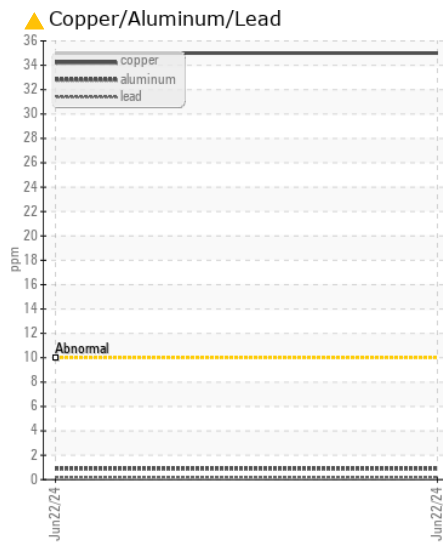
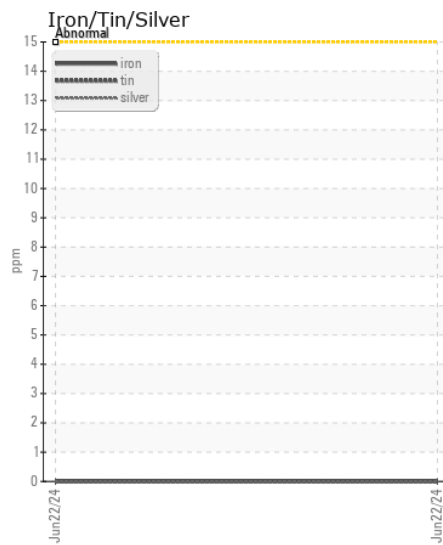
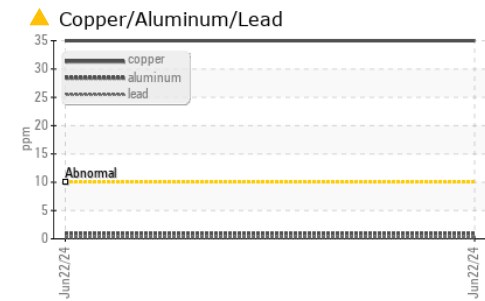
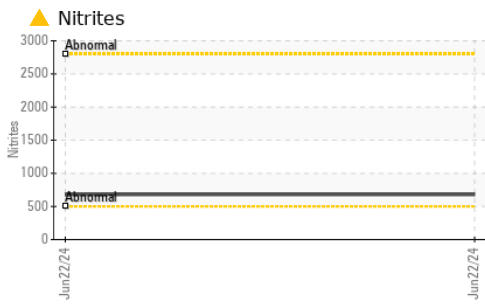
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	2	---	---
Magnesium	ppm	ASTM D5185(m)	>40	<1	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Coolant Appearance		Visual*	Clear	Clear	---	---

COOLANT CONDITION

The nitrite level is acceptable. The specific gravity is lower than typical indicating the addition of a different type of coolant. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		106	---	---
Specific Gravity		ASTM D1298*		▲ 1.057	---	---
pH	Scale 0-14	ASTM D1287*		9.66	---	---
Nitrites	ppm	Alcan Test Kit*		680	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*		5.5	---	---
Percentage Glycol	%	ASTM D3321*		42.2	---	---
Freezing Point	°C	ASTM D3321*		-27	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		66	---	---
Phosphorus	ppm	ASTM D5185(m)		665	---	---
Boron	ppm	ASTM D5185(m)		204	---	---
Molybdenum	ppm	ASTM D5185(m)		355	---	---
Sodium	ppm	ASTM D5185(m)		962	---	---
Potassium	ppm	ASTM D5185(m)		3311	---	---
Coolant Color		Visual*		Blue	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : CU0023589
Lab Number : 02644440
Unique Number : 5801979
Test Package : COOL (Additional Tests: GlycolType)

Received : 27 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 28 Jun 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.

T: (613)736-1146
 F: x: