



**ANORMAL**

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Secteur

[104102]

Identité de la machine

5117A

Composant

Liquide de refroidissement

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
Numéro d'échant.		Client Info		CU0023589	---	---
Date d'échant.		Client Info		22 Jun 2024	---	---
Âge d la Machine	hrs	Client Info		535	---	---
Âge de l'huile	hrs	Client Info		0	---	---
Huile changée		Client Info		Changed	---	---
Statut de l'échant.				ABNORMAL	---	---

**CORROSION**

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

Fer	ppm	ASTM D5185(m)	>15	0	---	---
Aluminium	ppm	ASTM D5185(m)	>10	<1	---	---
Cuivre	ppm	ASTM D5185(m)	>10	▲ 35	---	---
Plomb	ppm	ASTM D5185(m)	>10	<1	---	---
Étain	ppm	ASTM D5185(m)	>10	0	---	---
Argent	ppm	ASTM D5185(m)	>10	0	---	---
Zinc	ppm	ASTM D5185(m)	>10	<1	---	---

**CONTAMINANTS**

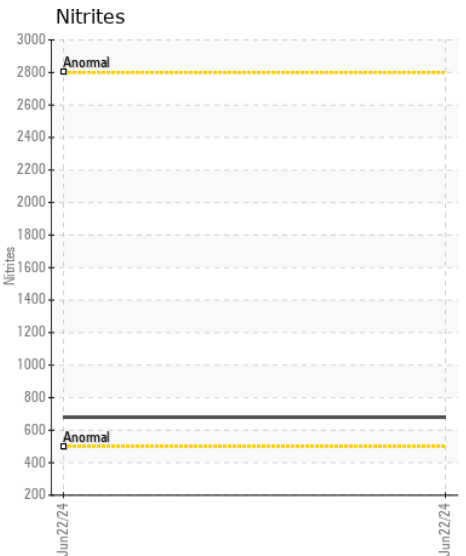
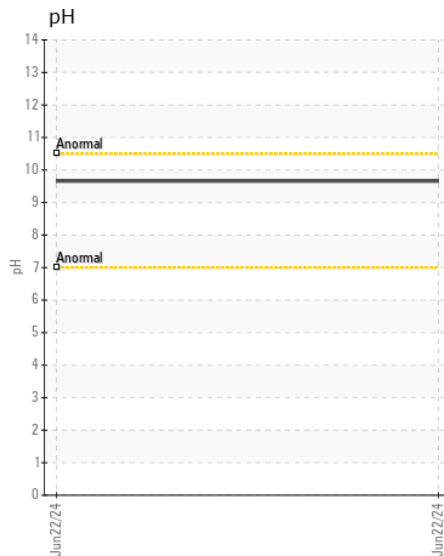
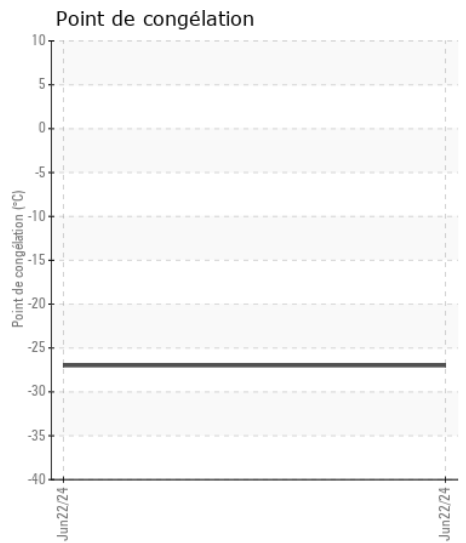
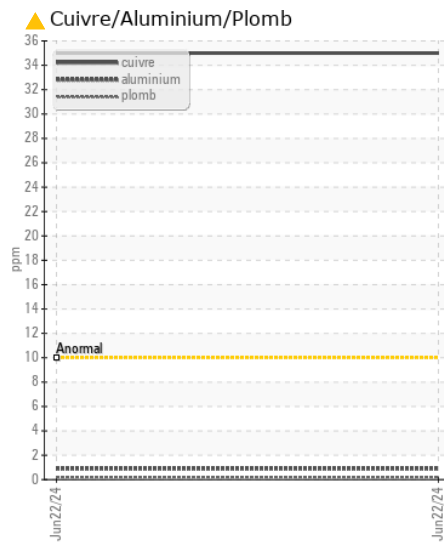
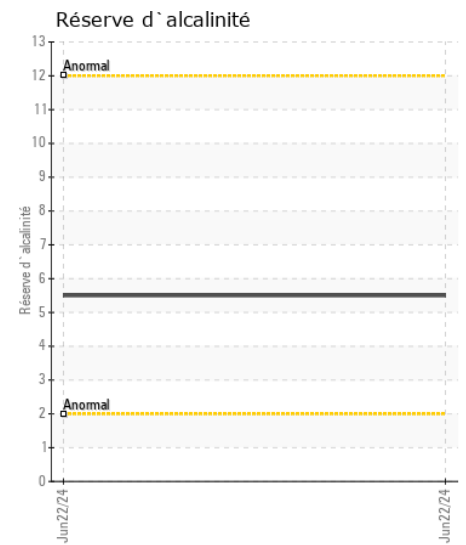
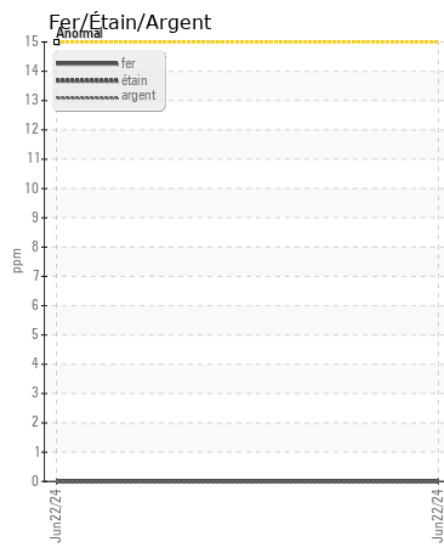
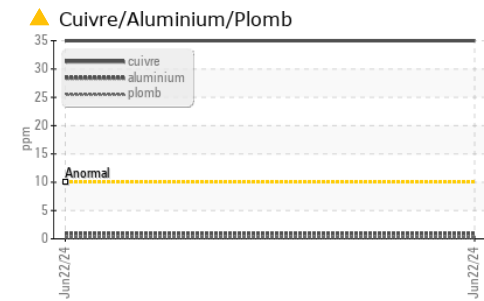
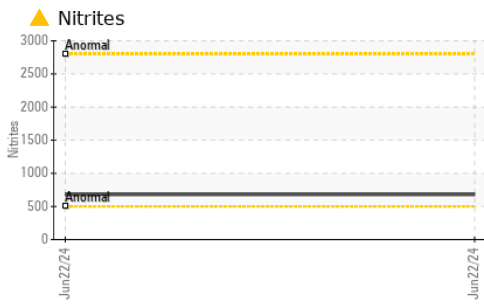
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	2	---	---
Magnésium	ppm	ASTM D5185(m)	>40	<1	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	---	---
Apparence du liquide de refroidissement		Visual*	Clear	Clear	---	---

**ÉTAT DU LIQUIDE REFROIDISSEMENT**

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.

Point d'ébullition	°C	WC Method*		106	---	---
Densité		ASTM D1298*		▲ 1.057	---	---
pH	Scale 0-14	ASTM D1287*		9.66	---	---
Nitrites	ppm	Alcan Test Kit*		680	---	---
Réserve d'alcalinité	Scale 0-20	ASTM D1121*		5.5	---	---
Pourcentage de glycol	%	ASTM D3321*		42.2	---	---
Point de congélation	°C	ASTM D3321*		-27	---	---
Carboxylate				---	---	---
Silicium	ppm	ASTM D5185(m)		66	---	---
Phosphore	ppm	ASTM D5185(m)		665	---	---
Bore	ppm	ASTM D5185(m)		204	---	---
Molybdène	ppm	ASTM D5185(m)		355	---	---
Sodium	ppm	ASTM D5185(m)		962	---	---
Potassium	ppm	ASTM D5185(m)		3311	---	---
Couleur du liquide de refroidissement		Visual*		Blue	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**N° d'échantillon** : CU0023589

**N° de laboratoire** : 02644440

**Numéro unique** : 5801979

**Analyse** : COOL ( Additional Tests: GlycolType )

**Reçu** : 27 Jun 2024

**Tested** : 28 Jun 2024

**Diagnostic** : 28 Jun 2024 - Kevin Marson

**CUMMINS EASTERN CANADA LP**

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Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.