



# RAPPORT D'ANALYSE D'HUILE

USURE	<b>NORMAL</b>
CONTAMINATION	<b>SÉVÈRE</b>
ÉTAT DU FLUIDE	<b>ANORMAL</b>

Secteur

[203555]

Identité de la machine

73379843

Composant

Moteur diesel

Fluide

DIESEL ENGINE OIL SAE 10W30 (--- GAL)

## RECOMMENDATION

We advise that you check the fuel injection system. We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

## USURE

All component wear rates are normal.

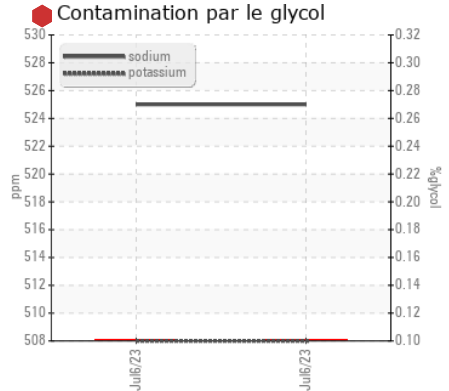
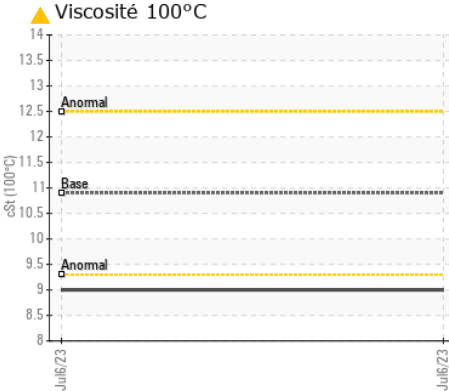
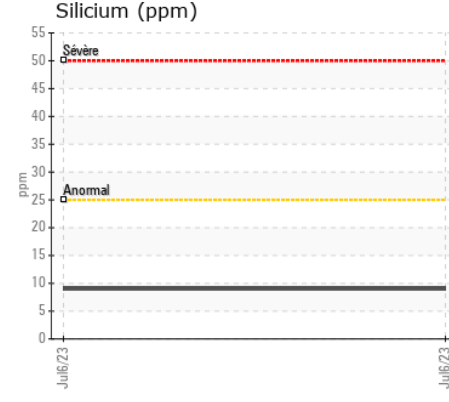
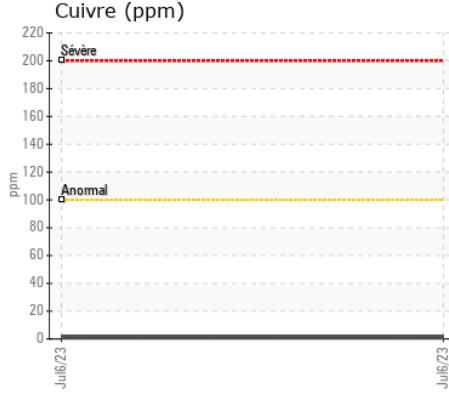
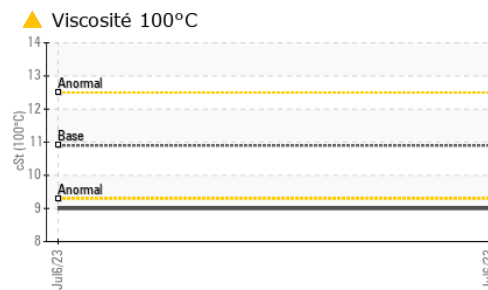
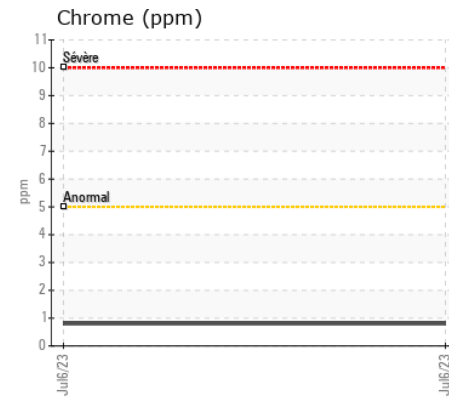
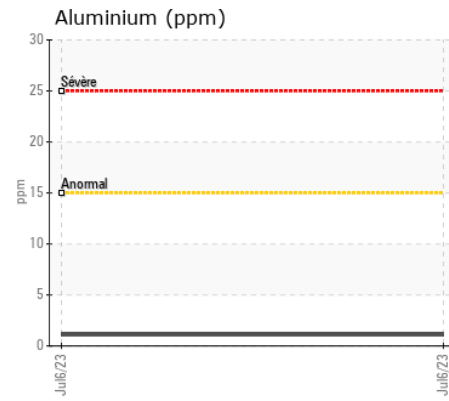
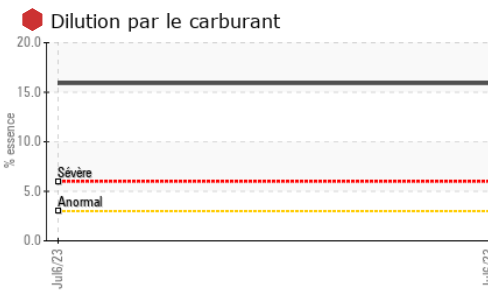
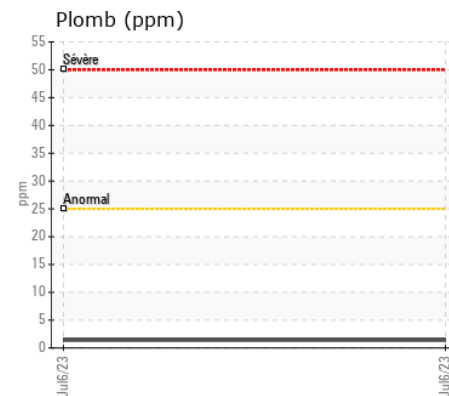
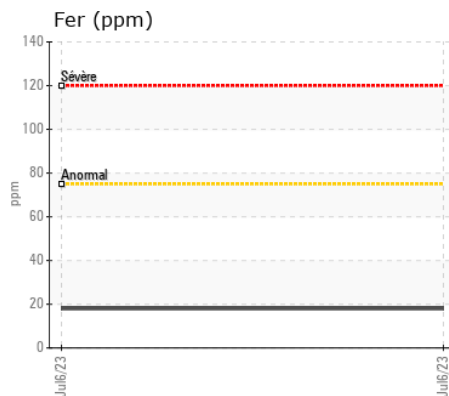
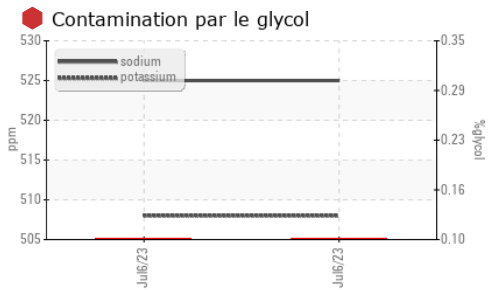
## CONTAMINATION

Test for glycol is positive. There is a high amount of fuel present in the oil. There is a high concentration of glycol present in the oil. Tests confirm the presence of fuel in the oil.

## ÉTAT DU FLUIDE

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		CU0020989	---	---
Date d'échant.		Client Info		06 Jul 2023	---	---
Âge d la Machine	kms	Client Info		854421	---	---
Âge de l'huile	kms	Client Info		3461	---	---
Âge du filtre	kms	Client Info		3461	---	---
Huile changée		Client Info		Changed	---	---
Filtre changé		Client Info		Changed	---	---
Statut de l'échant.				SEVERE	---	---
Fer	ppm	ASTM D5185(m)	>75	18	---	---
Chrome	ppm	ASTM D5185(m)	>5	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titane	ppm	ASTM D5185(m)	>2	<1	---	---
Argent	ppm	ASTM D5185(m)	>2	<1	---	---
Aluminium	ppm	ASTM D5185(m)	>15	1	---	---
Plomb	ppm	ASTM D5185(m)	>25	1	---	---
Cuivre	ppm	ASTM D5185(m)	>100	1	---	---
Étain	ppm	ASTM D5185(m)	>4	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Silicium	ppm	ASTM D5185(m)	>25	9	---	---
Potassium	ppm	ASTM D5185(m)	>20	▲ 508	---	---
Essence	%	ASTM D7593*	>3.0	● 15.9	---	---
Glycol	%	ASTM D7922*		● 0.101	---	---
% de suie	%	ASTM D7844*	>6	1.7	---	---
Nitration	Abs/cm	ASTM D7624*	>20	13.7	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	25.4	---	---
Eau émulsifiée	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)		▲ 525	---	---
Bore	ppm	ASTM D5185(m)	250	65	---	---
Baryum	ppm	ASTM D5185(m)	10	0	---	---
Molybdène	ppm	ASTM D5185(m)	100	32	---	---
Manganèse	ppm	ASTM D5185(m)		<1	---	---
Magnésium	ppm	ASTM D5185(m)	450	36	---	---
Calcium	ppm	ASTM D5185(m)	3000	1784	---	---
Phosphore	ppm	ASTM D5185(m)	1150	805	---	---
Zinc	ppm	ASTM D5185(m)	1350	902	---	---
Soufre	ppm	ASTM D5185(m)	4250	2294	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	20.5	---	---
Visc 100°C	cSt	ASTM D7279(m)	10.9	▲ 9	---	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0020989 **Reçu** : 07 Jul 2023  
**N° de laboratoire** : 02568444 **Diagnostiqué** : 10 Jul 2023  
**Numéro unique** : 5605490 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1 ( Additional Tests: FuelDilution, Glycol, PercentFuel )

**CUMMINS CANADA ULC**  
 7200 TRANS CANADA HWY.  
 POINTE CLAIRE, QC  
 CA H9R 1C2  
 Contact: Karelle Paradis  
 karelle.paradis@cummins.com  
 T: (514)695-8410  
 F: (514)695-5246

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.  
 Validity of results and interpretation are based on the sample and information as supplied.