



# RAPPORT D'ANALYSE D'HUILE

USURE  
CONTAMINATION  
ÉTAT DU FLUIDE

NORMAL
SÉVÈRE
ATTENTION

Secteur

[208767]

Identité de la machine

0041825

Composant

Moteur diesel

Fluid

SAE 15W40 (--- LTR)

## RECOMMENDATION

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		CU0023373	---	---
Date d'échant.		Client Info		18 Apr 2024	---	---
Âge d la Machine	hrs	Client Info		429	---	---
Âge de l'huile	hrs	Client Info		0	---	---
Âge du filtre	hrs	Client Info		0	---	---
Huile changée		Client Info		N/A	---	---
Filtre changé		Client Info		N/A	---	---
Statut de l'échant.				SEVERE	---	---

## USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>90	69	---	---
Chrome	ppm	ASTM D5185(m)	>4	2	---	---
Nickel	ppm	ASTM D5185(m)	>4	1	---	---
Titane	ppm	ASTM D5185(m)	>2	0	---	---
Argent	ppm	ASTM D5185(m)	>2	0	---	---
Aluminium	ppm	ASTM D5185(m)	>15	2	---	---
Plomb	ppm	ASTM D5185(m)	>50	5	---	---
Cuivre	ppm	ASTM D5185(m)	>55	6	---	---
Étain	ppm	ASTM D5185(m)	>4	2	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

## CONTAMINATION

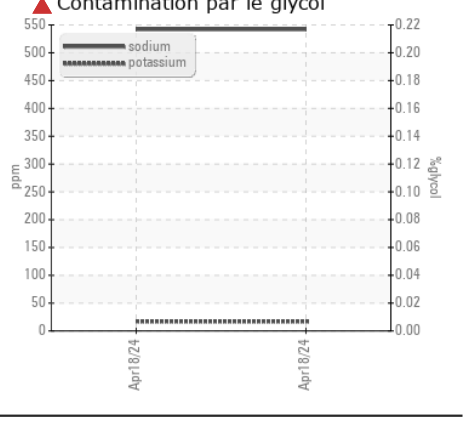
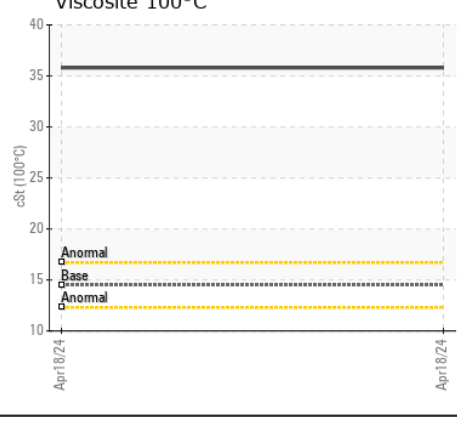
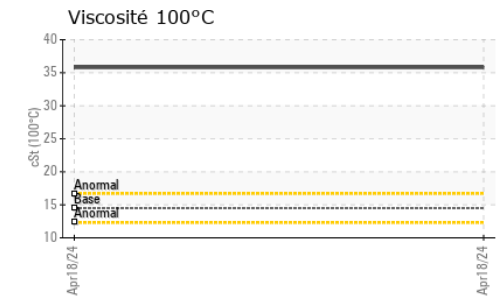
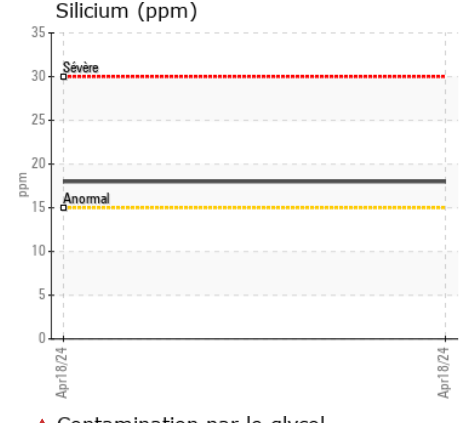
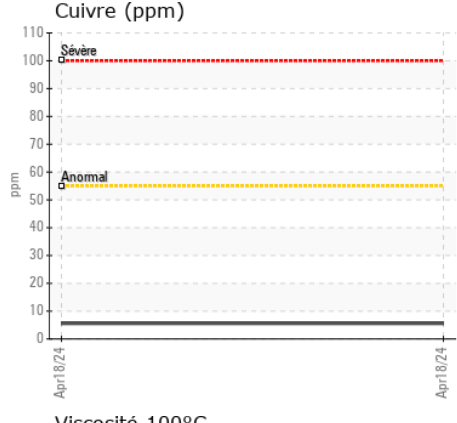
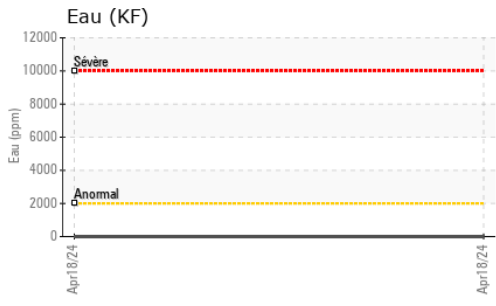
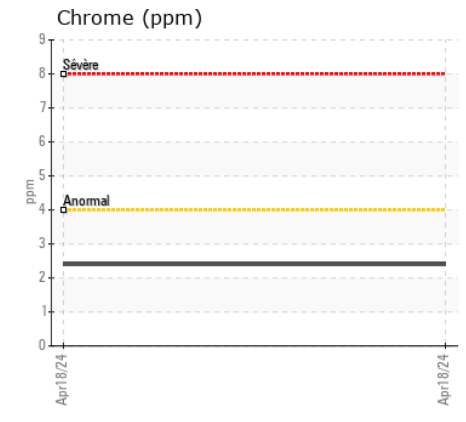
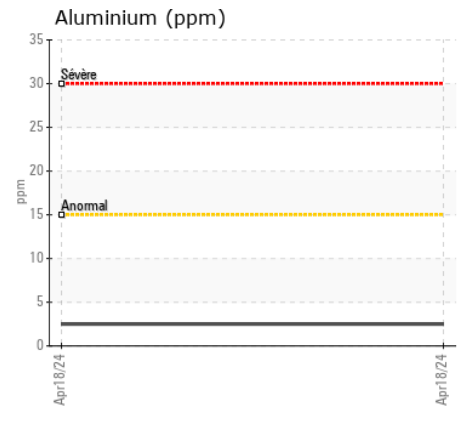
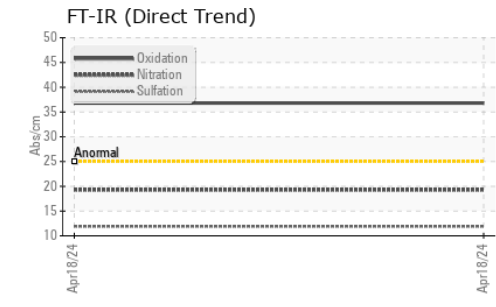
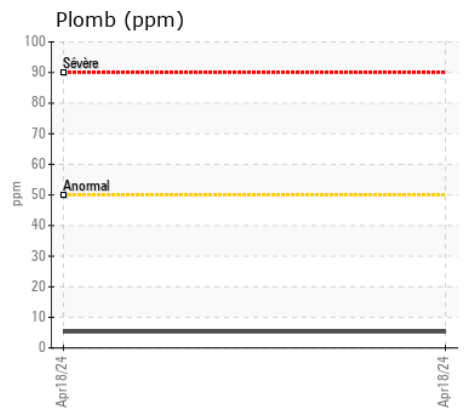
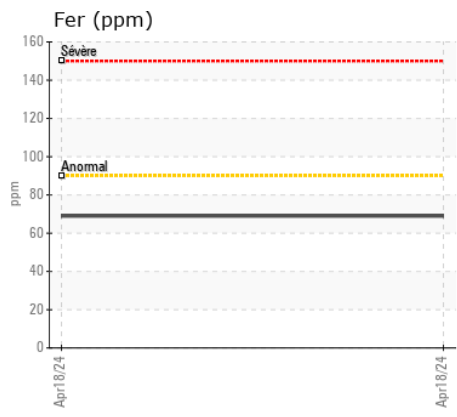
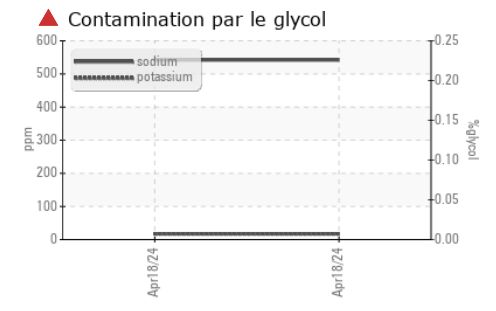
Test for glycol is positive. There is a high concentration of glycol present in the oil. There is a moderate concentration of water present in the oil.

Silicium	ppm	ASTM D5185(m)	>15	18	---	---
Potassium	ppm	ASTM D5185(m)	>20	▲ 17	---	---
Essence		WC Method	>3.0	<1.0	---	---
Eau	%	ASTM D6304*	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		▲ >.70	---	---
% de suie	%	ASTM D7844*	>6	1.6	---	---
Nitration	Abs/cm	ASTM D7624*	>20	19.3	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	11.9	---	---
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	VLITE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	---	---
Eau émulsifiée	scalar	Visual*	>0.2	▲ .5%	---	---

## ÉTAT DU FLUIDE

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>57	● 542	---	---
Bore	ppm	ASTM D5185(m)		57	---	---
Baryum	ppm	ASTM D5185(m)		2	---	---
Molybdène	ppm	ASTM D5185(m)		46	---	---
Manganèse	ppm	ASTM D5185(m)		2	---	---
Magnésium	ppm	ASTM D5185(m)		364	---	---
Calcium	ppm	ASTM D5185(m)		1167	---	---
Phosphore	ppm	ASTM D5185(m)		518	---	---
Zinc	ppm	ASTM D5185(m)		734	---	---
Soufre	ppm	ASTM D5185(m)		1635	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	36.8	---	---
Visc 100°C	cSt	ASTM D7279(m)	14.5	35.8	---	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0023373  
**N° de laboratoire** : 02630129  
**Numéro unique** : 5763261  
**Analyse** : MOB 1 ( Additional Tests: Glycol, KF, Visual )

**CUMMINS CANADA ULC**  
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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.*