



# RAPPORT D'ANALYSE D'HUILE

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

Secteur

**[101707]**

Identité de la machine

**80116606**

Composant

**Moteur diesel**

Fluide

**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>CU0020698</b>	CU0018066	---
Date d'échant.		Client Info		<b>21 Nov 2023</b>	07 Dec 2021	---
Âge d la Machine	hrs	Client Info		<b>500</b>	0	---
Âge de l'huile	hrs	Client Info		<b>0</b>	0	---
Âge du filtre	hrs	Client Info		<b>0</b>	0	---
Huile changée		Client Info		<b>Changed</b>	Changed	---
Filtre changé		Client Info		<b>Changed</b>	Changed	---
Statut de l'échant.				<b>NORMAL</b>	ABNORMAL	---

## USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>90	<b>4</b>	3	---
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	---
Aluminium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	---
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	---
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	3	---
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## CONTAMINATION

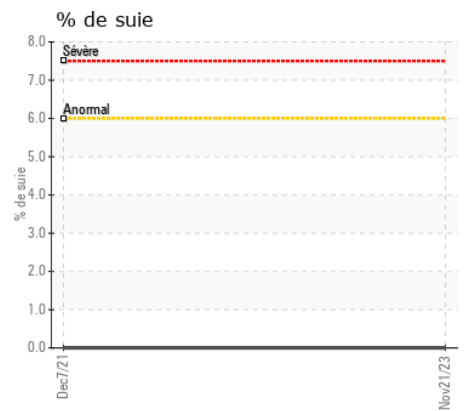
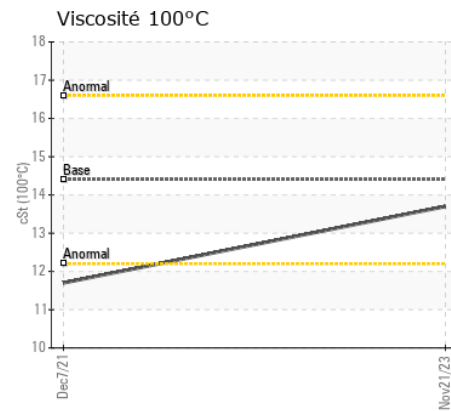
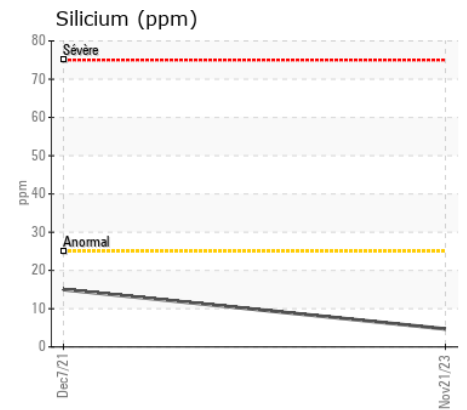
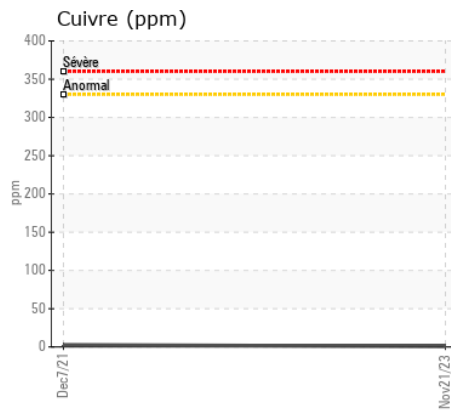
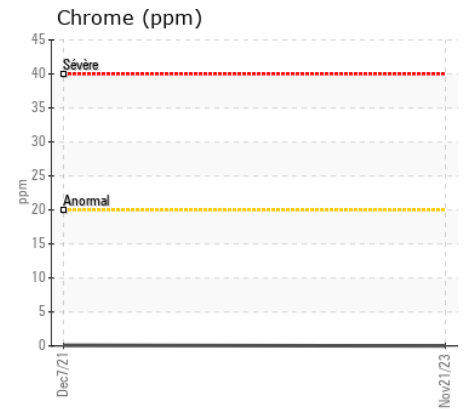
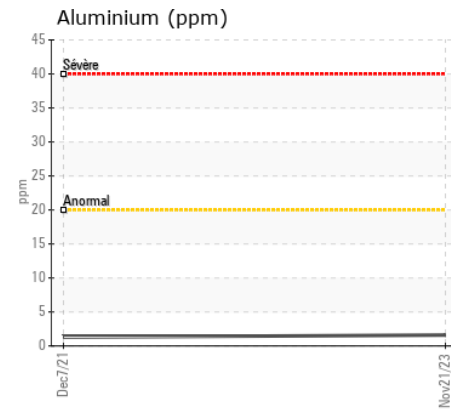
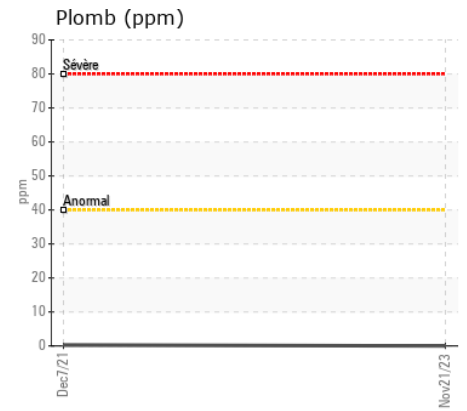
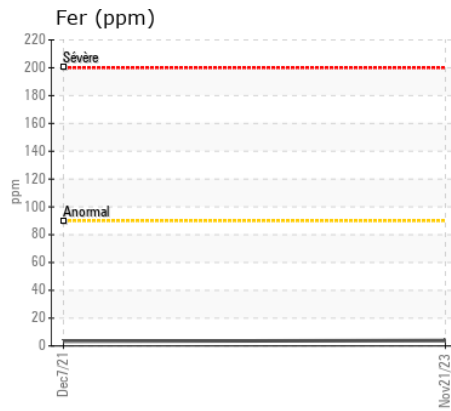
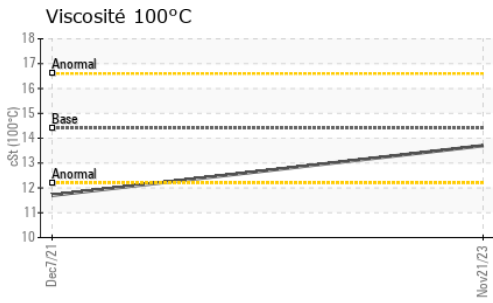
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>5</b>	15	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	---
Essence		WC Method	>3.0	<b>&lt;1.0</b>	0.0	---
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
% de suie	%	ASTM D7844*	>6	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.9</b>	5.4	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.9</b>	20.2	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

## ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>158	<b>3</b>	1	---
Bore	ppm	ASTM D5185(m)	250	<b>38</b>	113	---
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	<1	---
Molybdène	ppm	ASTM D5185(m)	100	<b>47</b>	60	---
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnésium	ppm	ASTM D5185(m)	450	<b>817</b>	1089	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1166</b>	968	---
Phosphore	ppm	ASTM D5185(m)	1150	<b>703</b>	1085	---
Zinc	ppm	ASTM D5185(m)	1350	<b>828</b>	1181	---
Soufre	ppm	ASTM D5185(m)	4250	<b>1923</b>	2909	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>17.0</b>	14.5	---
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.7</b>	▲ 11.7	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0020698  
**N° de laboratoire** : 02598715  
**Numéro unique** : 5683795  
**Analyse** : MOB 1

**Reçu** : 24 Nov 2023  
**Diagnostiqué** : 24 Nov 2023  
**Diagnostiqueur** : Wes Davis

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

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.

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