



# RAPPORT D'ANALYSE D'HUILE

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

Secteur

[102588]

Identité de la machine

**AMD7445 (S/N 74050319)**

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>CU0021036</b>	CU0018064	CU0016190
Date d'échant.		Client Info		<b>24 Nov 2023</b>	07 Dec 2021	20 May 2020
Âge d la Machine	hrs	Client Info		<b>412</b>	0	1170
Âge de l'huile	hrs	Client Info		<b>0</b>	0	110
Âge du filtre	hrs	Client Info		<b>0</b>	0	110
Huile changée		Client Info		<b>Changed</b>	Changed	Changed
Filtre changé		Client Info		<b>Changed</b>	Changed	Changed
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

## USURE

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>90	<b>10</b>	4	6
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	0
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>1</b>	1	1
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Cuivre	ppm	ASTM D5185(m)	>330	<b>3</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

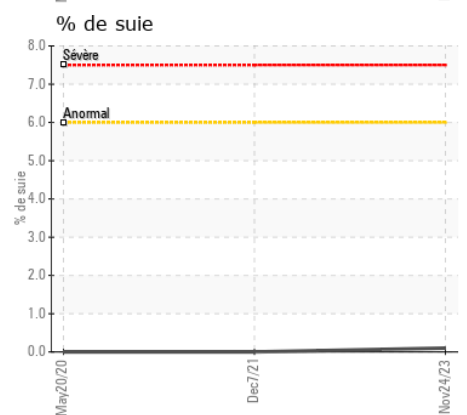
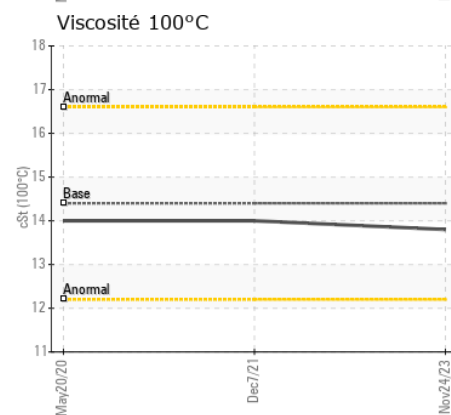
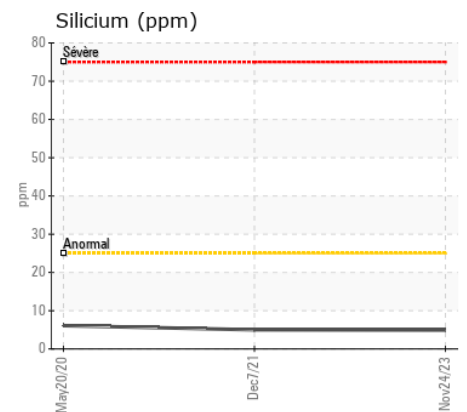
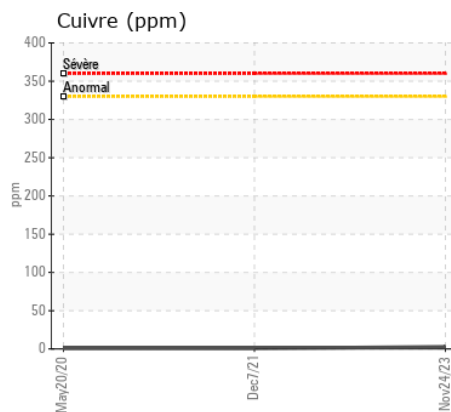
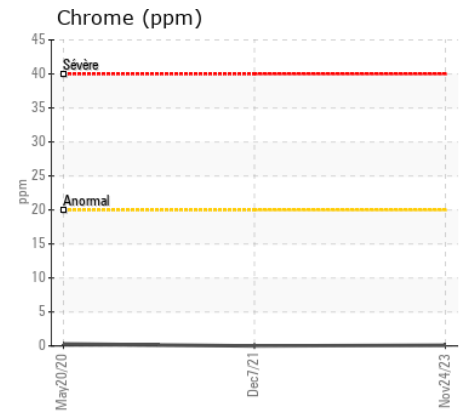
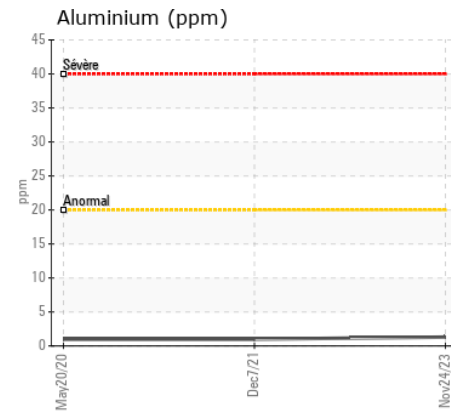
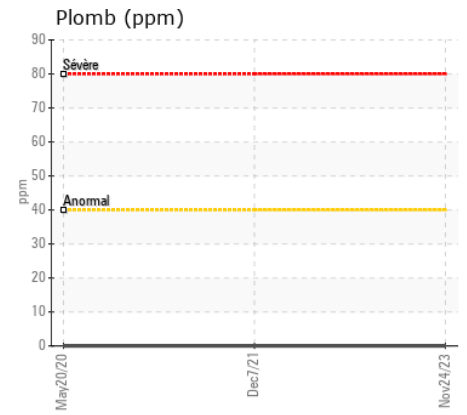
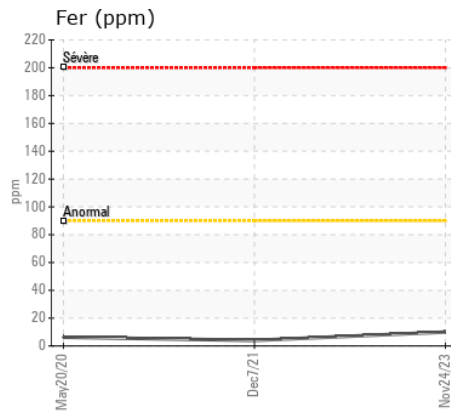
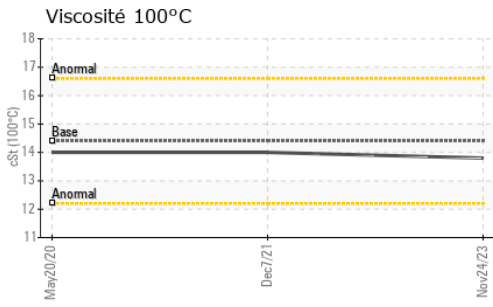
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>5</b>	5	6
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>6	<b>0.1</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.1</b>	6.4	7.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.5</b>	20.8	23.6
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)	>158	<b>4</b>	3	3
Bore	ppm	ASTM D5185(m)	250	<b>35</b>	53	62
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	<1
Molybdène	ppm	ASTM D5185(m)	100	<b>45</b>	40	50
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>779</b>	576	665
Calcium	ppm	ASTM D5185(m)	3000	<b>1285</b>	1552	1531
Phosphore	ppm	ASTM D5185(m)	1150	<b>748</b>	1014	1053
Zinc	ppm	ASTM D5185(m)	1350	<b>870</b>	1126	1207
Soufre	ppm	ASTM D5185(m)	4250	<b>1973</b>	2666	2752
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>18.2</b>	16.1	15.2
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.8</b>	14.0	14.0



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0021036  
**N° de laboratoire** : 02599395  
**Numéro unique** : 5684475  
**Analyse** : MOB 1

**Reçu** : 28 Nov 2023  
**Diagnostiqué** : 29 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.

T: (613)736-1146

F: x: