



# RAPPORT D'ANALYSE D'HUILE

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

Secteur  
**HEXO [101786]**  
 Identité de la machine  
**MP7712 (S/N 80050074)**  
 Composant  
**Moteur diesel**  
 Fluide  
**VALVOLINE 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>CU0021025</b>	CU0018909	CU0018062
Date d'échant.		Client Info		<b>22 Nov 2023</b>	05 Dec 2022	07 Dec 2021
Âge d la Machine	hrs	Client Info		<b>1710</b>	168	0
Âge de l'huile	hrs	Client Info		<b>0</b>	0	0
Âge du filtre	hrs	Client Info		<b>0</b>	0	0
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

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>165	<b>2</b>	4	3
Chrome	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	1
Plomb	ppm	ASTM D5185(m)	>150	<b>&lt;1</b>	<1	0
Cuivre	ppm	ASTM D5185(m)	>90	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

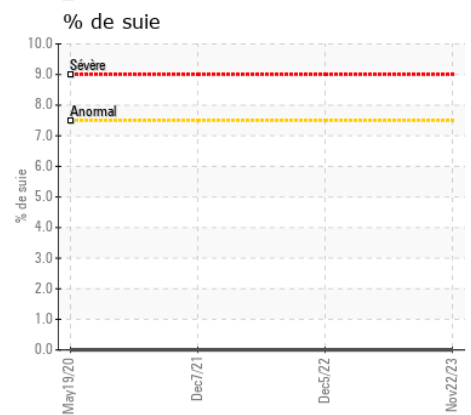
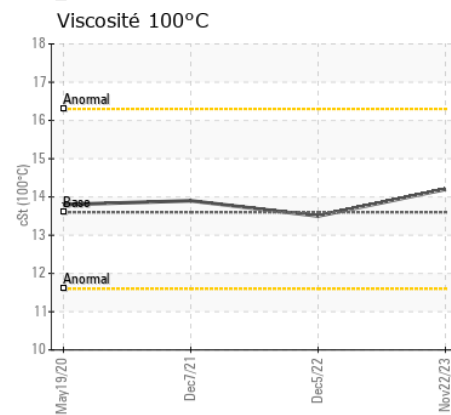
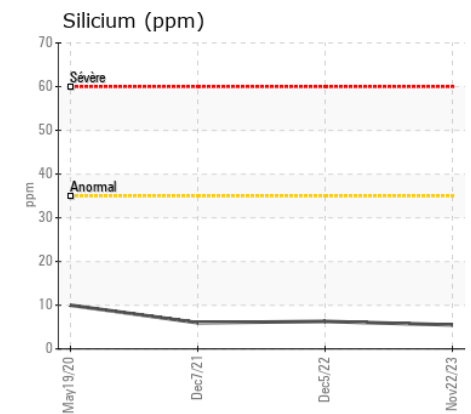
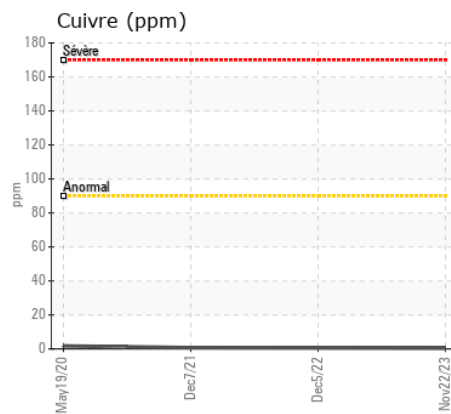
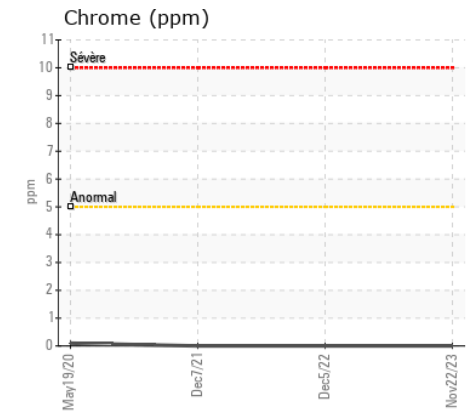
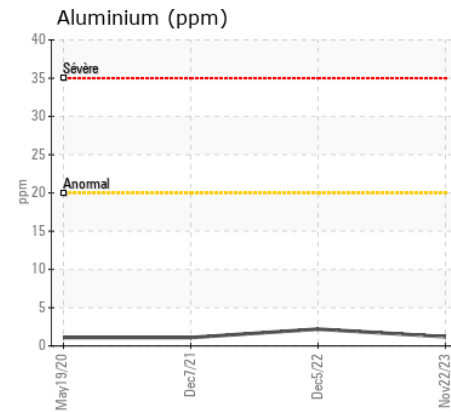
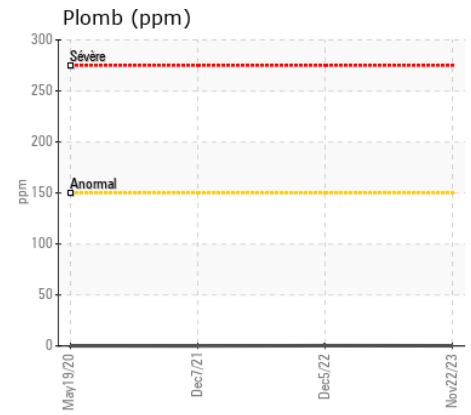
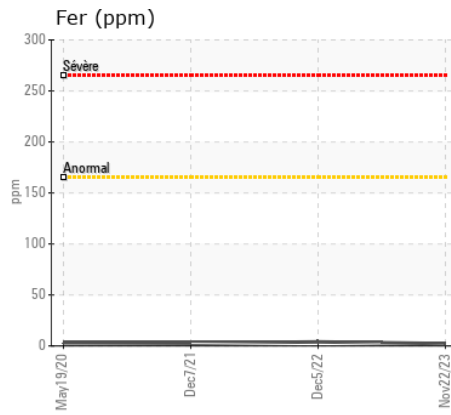
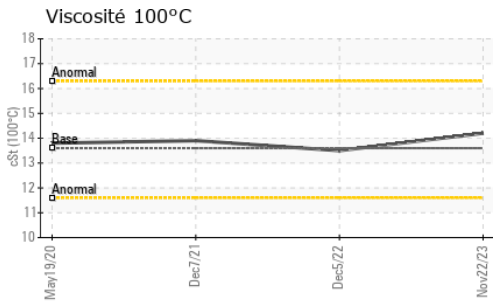
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>35	<b>6</b>	6	6
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	3	<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*	>7.5	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.5</b>	7.1	6.2
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.1</b>	21.8	20.6
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)		<b>3</b>	4	3
Bore	ppm	ASTM D5185(m)	39	<b>40</b>	43	64
Baryum	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	49	<b>45</b>	45	46
Manganèse	ppm	ASTM D5185(m)	1	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	616	<b>785</b>	781	631
Calcium	ppm	ASTM D5185(m)	1554	<b>1122</b>	1278	1437
Phosphore	ppm	ASTM D5185(m)	899	<b>696</b>	793	1060
Zinc	ppm	ASTM D5185(m)	1069	<b>798</b>	855	1183
Soufre	ppm	ASTM D5185(m)	2624	<b>1898</b>	2042	2645
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>17.1</b>	17.7	16.0
Visc 100°C	cSt	ASTM D7279(m)	13.6	<b>14.2</b>	13.5	13.9



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0021025  
**N° de laboratoire** : 02599397  
**Numéro unique** : 5684477  
**Analyse** : MOB 1

**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.