



# RAPPORT D'ANALYSE D'HUILE

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

Secteur  
**PSPC [99831]**  
 Identité de la machine  
**79278483**  
 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>CU0020680</b>	CU0018635	CU0017922
Date d'échant.		Client Info		<b>22 Aug 2023</b>	23 Aug 2022	22 Jun 2021
Âge d la Machine	hrs	Client Info		<b>245</b>	209	82
Âge de l'huile	hrs	Client Info		<b>0</b>	0	20
Âge du filtre	hrs	Client Info		<b>0</b>	0	20
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>3</b>	5	2
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	1
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

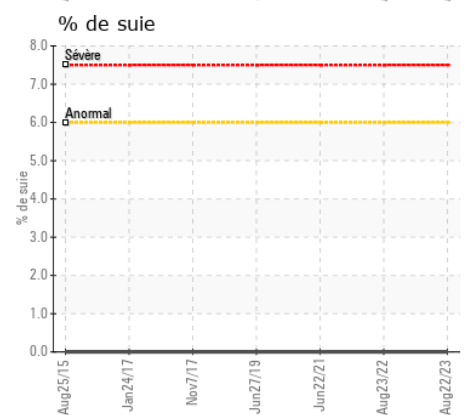
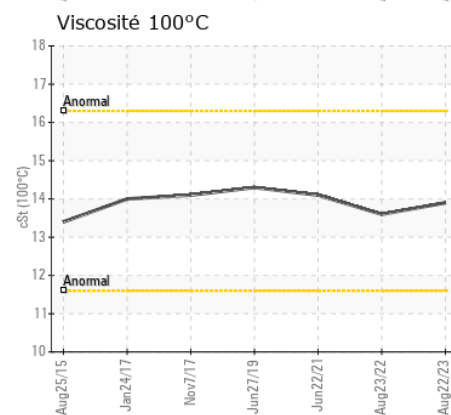
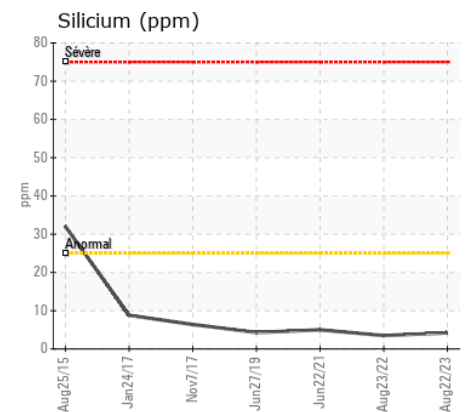
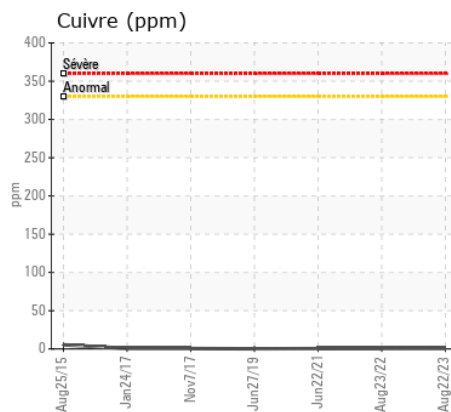
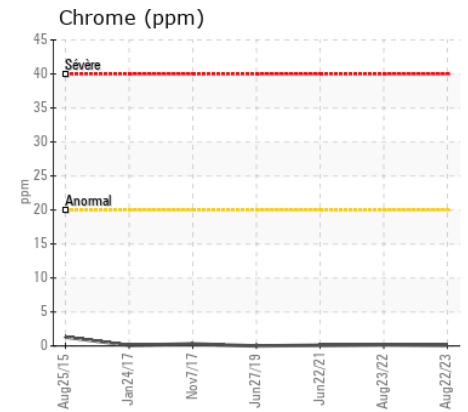
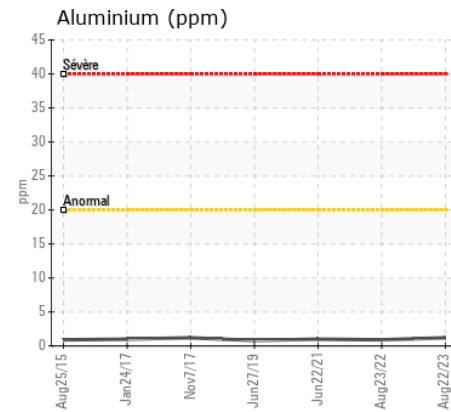
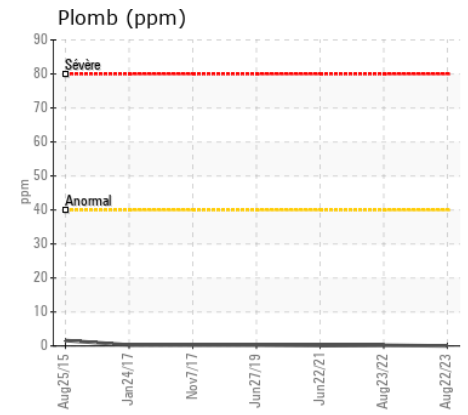
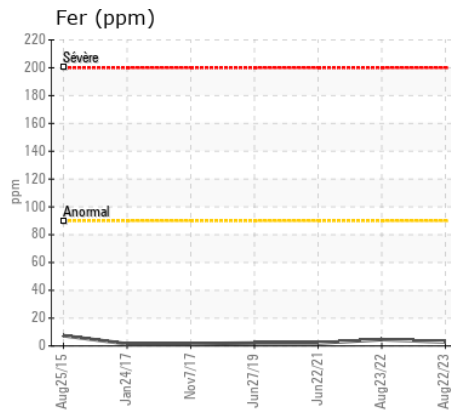
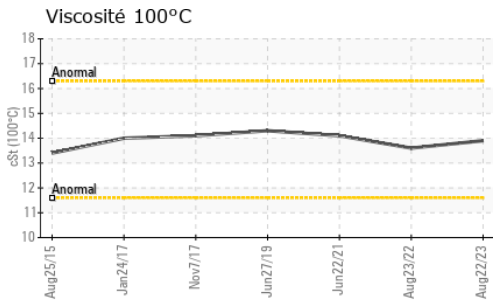
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	4	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>6	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.6</b>	6.6	6.4
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>21.3</b>	17.6	20.0
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>	2	3
Bore	ppm	ASTM D5185(m)		<b>43</b>	23	58
Baryum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)		<b>44</b>	17	45
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)		<b>763</b>	231	599
Calcium	ppm	ASTM D5185(m)		<b>1242</b>	2089	1458
Phosphore	ppm	ASTM D5185(m)		<b>768</b>	929	981
Zinc	ppm	ASTM D5185(m)		<b>844</b>	1070	1164
Soufre	ppm	ASTM D5185(m)		<b>2028</b>	3042	2624
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.6</b>	12.0	16.0
Visc 100°C	cSt	ASTM D7279(m)		<b>13.9</b>	13.6	14.1



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0020680  
**N° de laboratoire** : 02577679  
**Numéro unique** : 5630739  
**Analyse** : MOB 1

**Reçu** : 23 Aug 2023  
**Diagnostique** : 23 Aug 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: