



# RAPPORT D'ANALYSE D'HUILE

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

Secteur  
**PWGSC [919881]**  
 Identité de la machine  
**UNIT 2 (S/N 7A70867)**

Composant  
**Moteur diesel**  
 Fluide  
**SHELL ROTELLA T 15W40 (--- GAL)**

## RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.  
 Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>CU0020716</b>	CU0020718	CU0019807
Date d'échant.		Client Info		<b>03 Oct 2023</b>	11 Sep 2023	10 Jul 2023
Âge d la Machine	hrs	Client Info		<b>1100</b>	1174	1172
Âge de l'huile	hrs	Client Info		<b>0</b>	0	2
Âge du filtre	hrs	Client Info		<b>0</b>	0	0
Huile changée		Client Info		<b>Not Changd</b>	N/A	N/A
Filtre changé		Client Info		<b>Not Changd</b>	N/A	N/A
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>3</b>	3	3
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	0	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

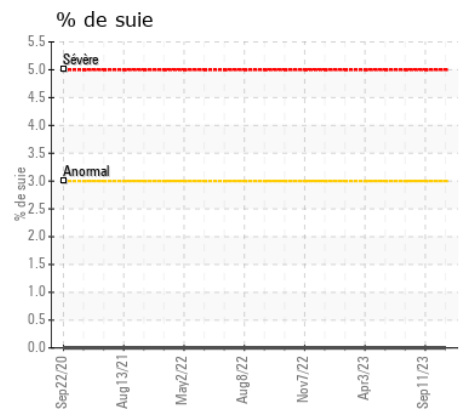
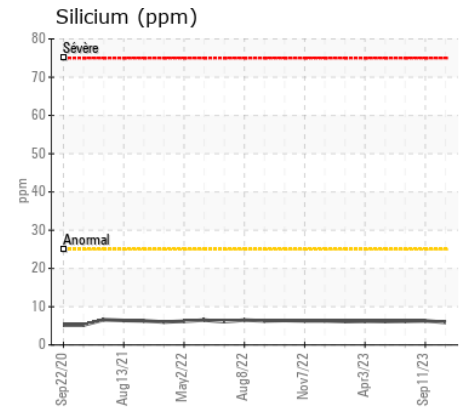
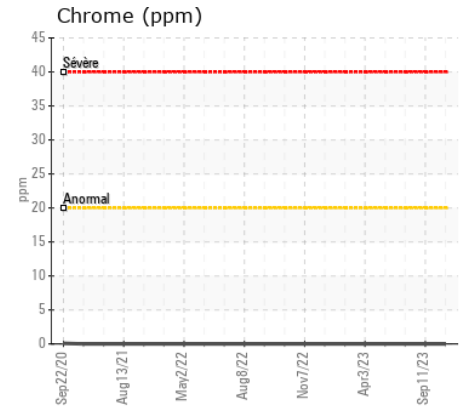
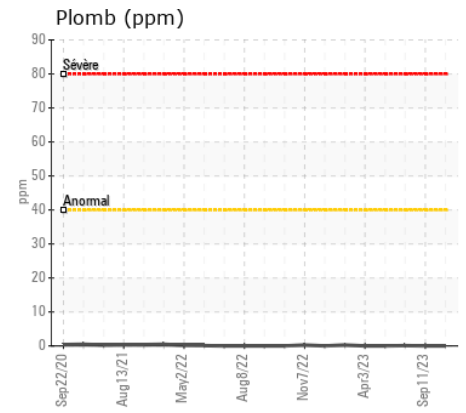
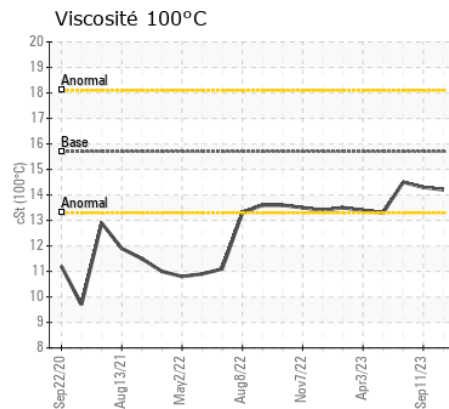
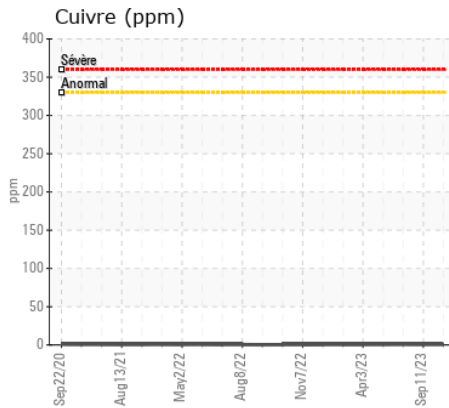
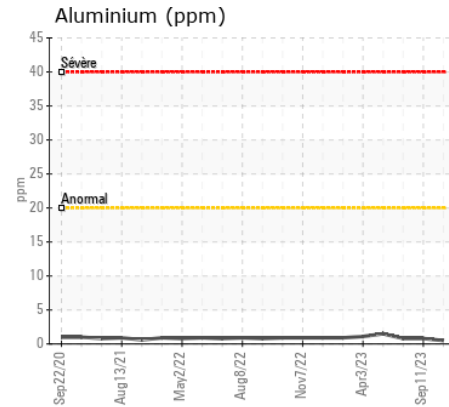
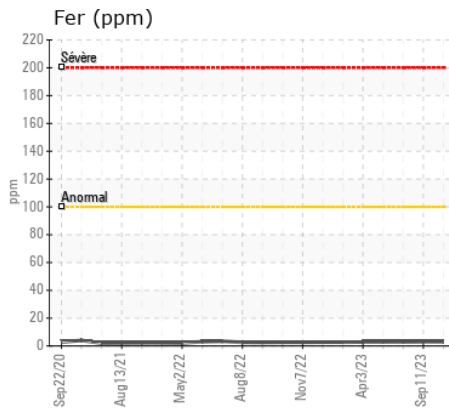
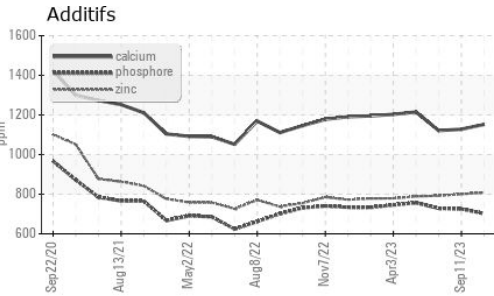
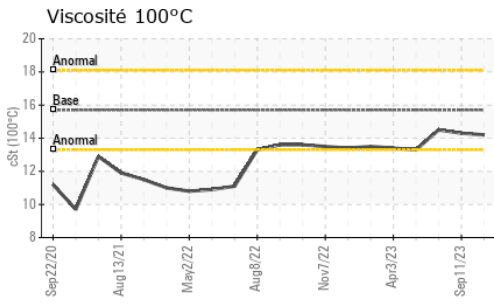
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>6</b>	6	6
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.0</b>	6.0	6.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.8</b>	19.8	20.2
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## ÉTAT DU FLUIDE

Additive levels indicate the addition of a different brand, or type of oil.  
 The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	3	3
Bore	ppm	ASTM D5185(m)	35	<b>44</b>	45	44
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	0	<b>49</b>	48	48
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	10	<b>793</b>	787	789
Calcium	ppm	ASTM D5185(m)	2340	<b>1152</b>	1128	1121
Phosphore	ppm	ASTM D5185(m)	1110	<b>702</b>	726	729
Zinc	ppm	ASTM D5185(m)	1210	<b>808</b>	800	792
Soufre	ppm	ASTM D5185(m)	3890	<b>1931</b>	1913	1884
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.0</b>	16.1	16.3
Visc 100°C	cSt	ASTM D7279(m)	15.7	<b>14.2</b>	14.3	14.5



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0020716  
**N° de laboratoire** : 02586985  
**Numéro unique** : 5656051  
**Analyse** : MOB 1

**Reçu** : 05 Oct 2023  
**Diagnostiqué** : 05 Oct 2023  
**Diagnostiqueur** : Kevin Marson

**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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F: x: