



RAPPORT D'ANALYSE D'HUILE

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

Secteur  
**PWGSC [102721]**  
 Identité de la machine  
**UNIT 2 (S/N 7A70867)**

Composant  
**Moteur diesel**  
 Fluid  
**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>CU0020723</b>	CU0020717	CU0020719
Date d'échant.		Client Info		<b>05 Feb 2024</b>	04 Dec 2023	05 Nov 2023
Âge d la Machine	hrs	Client Info		<b>1178</b>	0	1176
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>N/A</b>	Not Changd	N/A
Filtre changé		Client Info		<b>N/A</b>	Not Changd	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>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	1
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

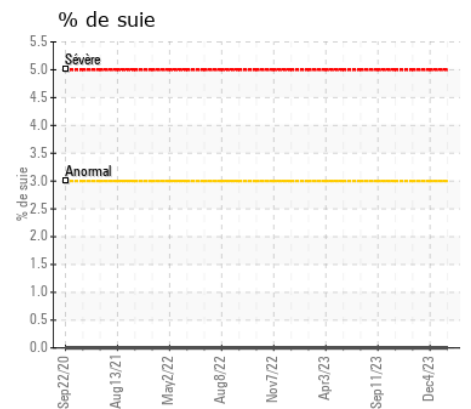
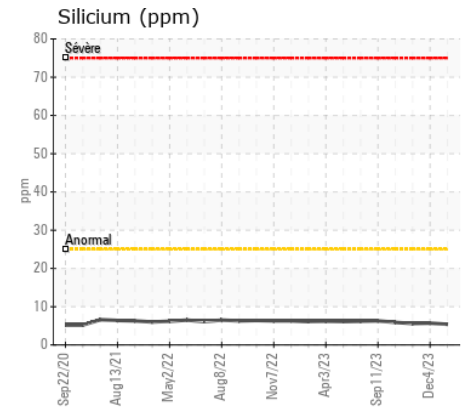
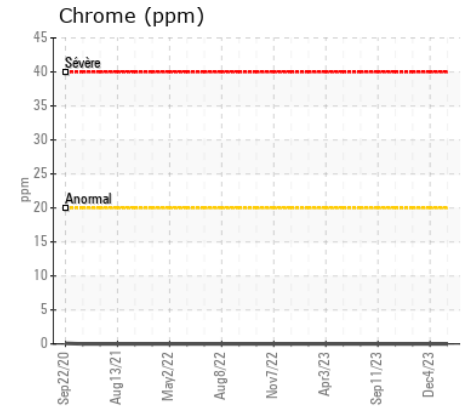
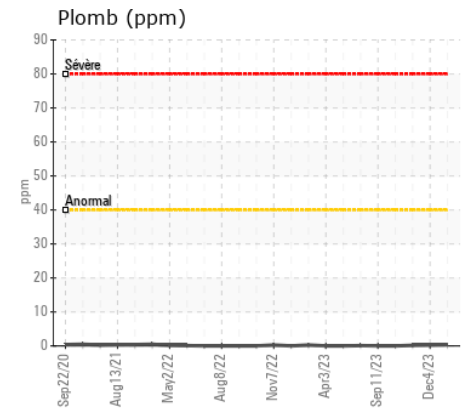
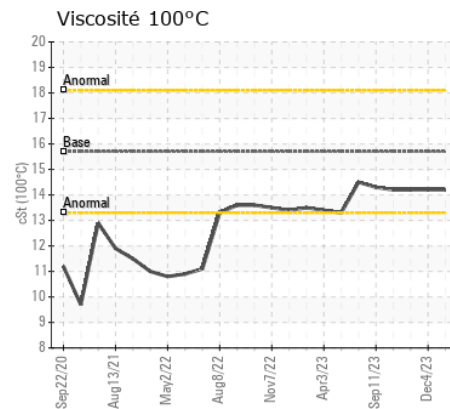
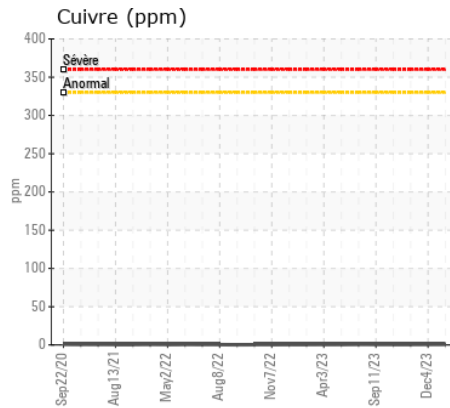
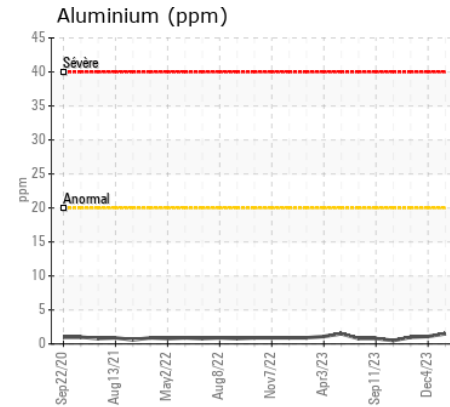
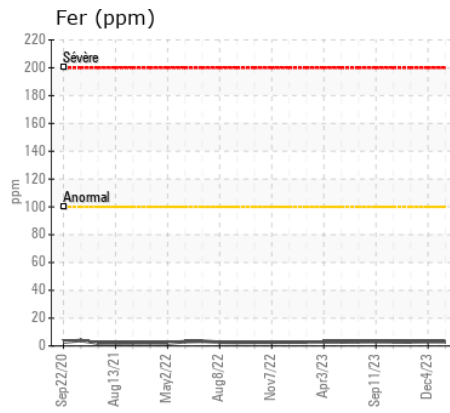
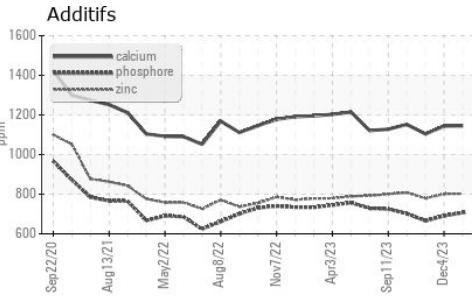
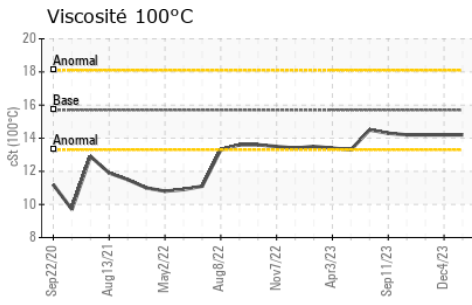
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>5</b>	6	6
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
Essence		WC Method	>5	<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*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.2</b>	6.3	6.2
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.8</b>	20.0	20.1
Limon	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Débris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
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>3</b>	3	3
Bore	ppm	ASTM D5185(m)	35	<b>43</b>	43	43
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Molybdène	ppm	ASTM D5185(m)	0	<b>49</b>	49	47
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Magnésium	ppm	ASTM D5185(m)	10	<b>784</b>	787	767
Calcium	ppm	ASTM D5185(m)	2340	<b>1145</b>	1144	1104
Phosphore	ppm	ASTM D5185(m)	1110	<b>707</b>	691	666
Zinc	ppm	ASTM D5185(m)	1210	<b>802</b>	801	779
Soufre	ppm	ASTM D5185(m)	3890	<b>2045</b>	1913	1855
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.6</b>	16.8	16.7
Visc 100°C	cSt	ASTM D7279(m)	15.7	<b>14.2</b>	14.2	14.2



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**N° d'échantillon** : CU0020723

**N° de laboratoire** : 02615532

**Numéro unique** : 5724627

**Analyse** : MOB 1 ( Additional Tests: Visual )

**Reçu** : 14 Feb 2024

**Tested** : 14 Feb 2024

**Diagnostiqué** : 14 Feb 2024 - Kevin Marson

**CUMMINS EASTERN CANADA LP**

3189 SWANSEA CRESCENT

OTTAWA, ON

CA K1G 3W5

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F: x:

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.