



# RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

**58853442**

Composant

**Moteur diesel**

Fluid

**SHELL ROTELLA T 5W40 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>CU0022117</b>	CU0020991	---
Date d'échant.		Client Info		<b>24 Jan 2024</b>	12 Jun 2023	---
Âge d la Machine	kms	Client Info		<b>128900</b>	103447	---
Âge de l'huile	kms	Client Info		<b>16000</b>	4698	---
Âge du filtre	kms	Client Info		<b>16000</b>	4698	---
Huile changée		Client Info		<b>Not Changd</b>	Not Changd	---
Filtre changé		Client Info		<b>Not Changd</b>	Not Changd	---
Statut de l'échant.				<b>NORMAL</b>	NORMAL	---

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	<b>21</b>	17	---
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	---
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Argent	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Aluminium	ppm	ASTM D5185(m)	>20	<b>18</b>	9	---
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	---
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	---
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## CONTAMINATION

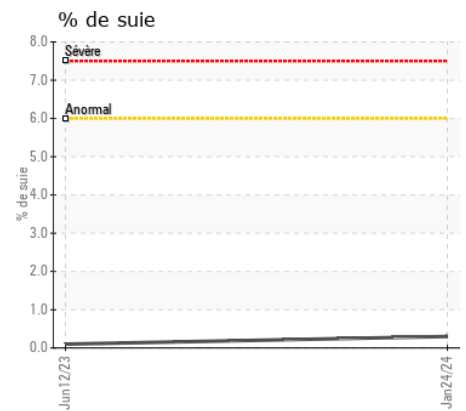
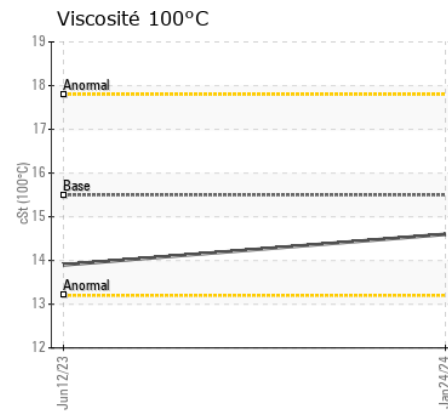
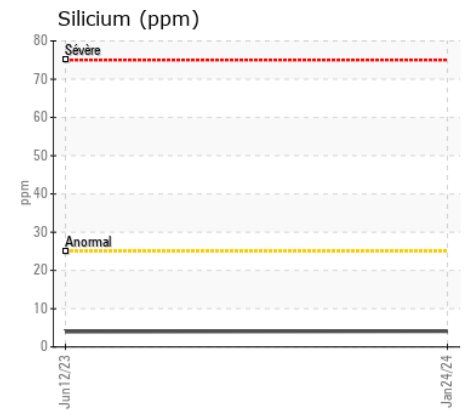
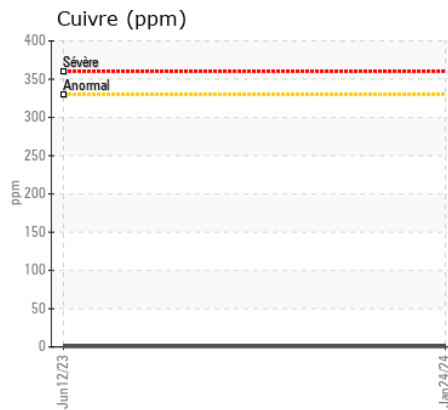
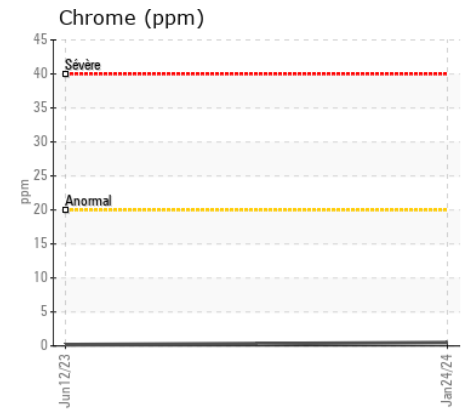
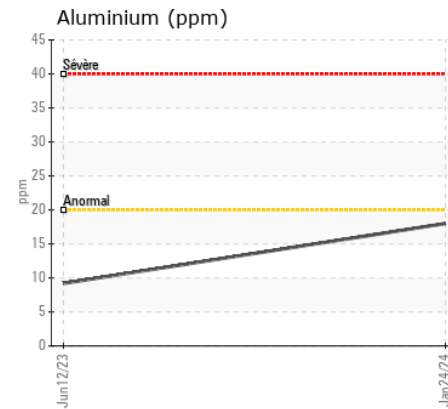
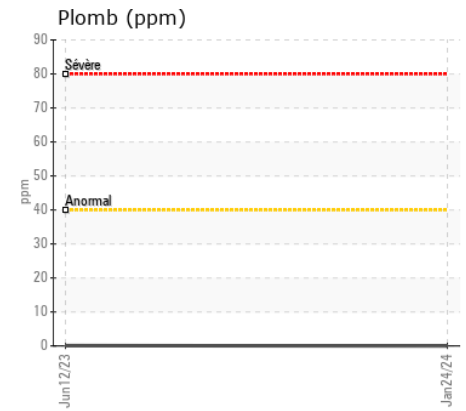
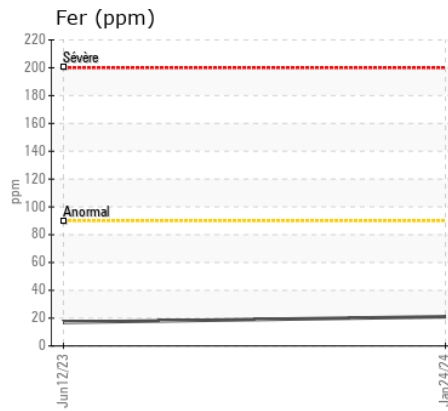
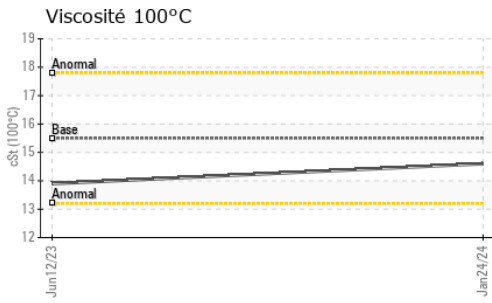
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>31</b>	13	---
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	---
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
% de suie	%	ASTM D7844*	>6	<b>0.3</b>	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.4</b>	7.9	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>21.7</b>	20.5	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

## ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	---
Bore	ppm	ASTM D5185(m)	71	<b>108</b>	124	---
Baryum	ppm	ASTM D5185(m)		<b>0</b>	0	---
Molybdène	ppm	ASTM D5185(m)	60	<b>4</b>	24	---
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnésium	ppm	ASTM D5185(m)	1106	<b>96</b>	81	---
Calcium	ppm	ASTM D5185(m)	780	<b>1887</b>	2042	---
Phosphore	ppm	ASTM D5185(m)	1065	<b>878</b>	1002	---
Zinc	ppm	ASTM D5185(m)	1210	<b>1048</b>	1070	---
Soufre	ppm	ASTM D5185(m)	3300	<b>2752</b>	2866	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>17.6</b>	16.0	---
Visc 100°C	cSt	ASTM D7279(m)	15.5	<b>14.6</b>	13.9	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : CU0022117      **Reçu** : 29 Jan 2024  
**N° de laboratoire** : 02611735      **Diagnostiqué** : 30 Jan 2024  
**Numéro unique** : 5720830      **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1

**CUMMINS CANADA ULC**  
 7200 TRANS CANADA HWY.  
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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.