



# RAPPORT D'ANALYSE D'HUILE

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

## ST JOHNS REGIONAL FIRE DEPARTMENT

Identité de la machine  
**73059722 - ENGINE #5**

Composant  
**Moteur diesel**

Fluid  
**PETRO CANADA DURON HP 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>CU</b>	---	---
Date d'échant.		Client Info		<b>25 Jan 2024</b>	---	---
Âge d la Machine	kms	Client Info		<b>145125</b>	---	---
Âge de l'huile	kms	Client Info		<b>0</b>	---	---
Âge du filtre	kms	Client Info		<b>0</b>	---	---
Huile changée		Client Info		<b>Not Chngd</b>	---	---
Filtre changé		Client Info		<b>Changed</b>	---	---
Statut de l'échant.				<b>NORMAL</b>	---	---

### USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>75	<b>17</b>	---	---
Chrome	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	---	---
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Aluminium	ppm	ASTM D5185(m)	>15	<b>3</b>	---	---
Plomb	ppm	ASTM D5185(m)	>25	<b>2</b>	---	---
Cuivre	ppm	ASTM D5185(m)	>100	<b>3</b>	---	---
Étain	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

### CONTAMINATION

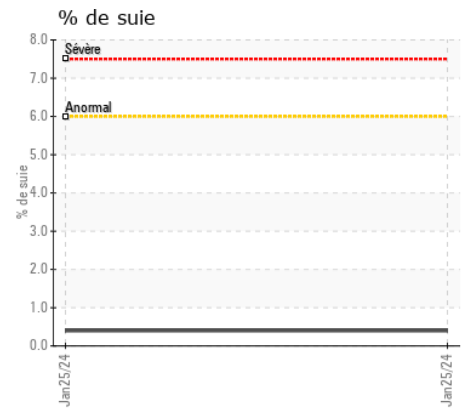
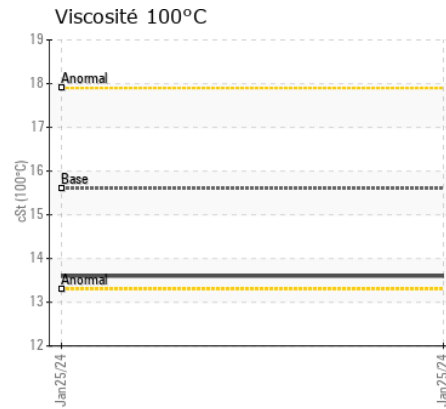
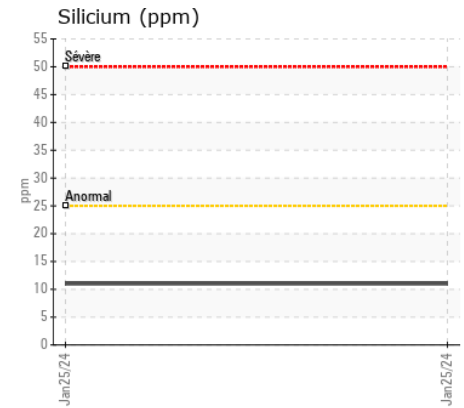
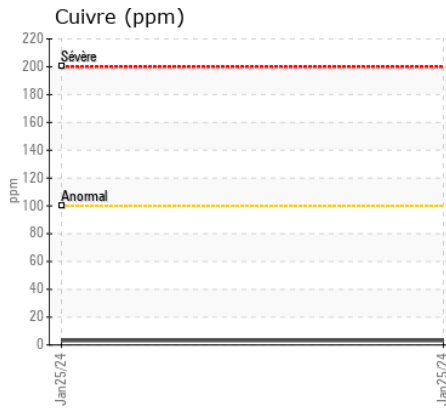
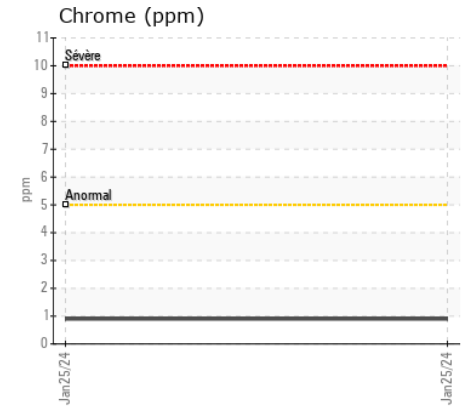
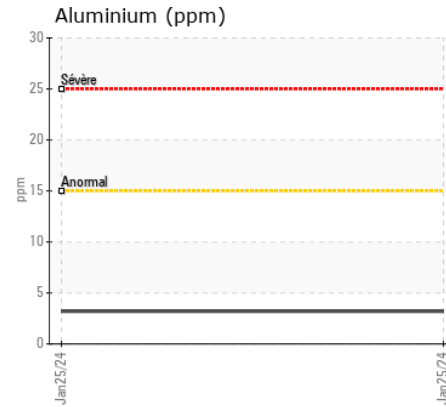
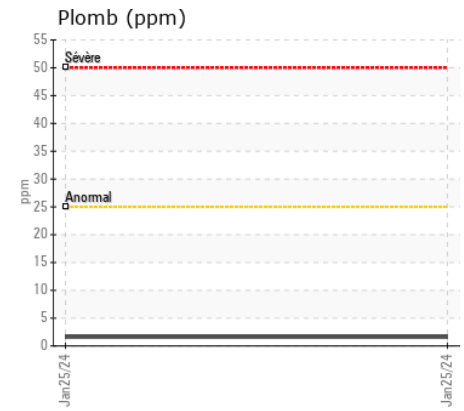
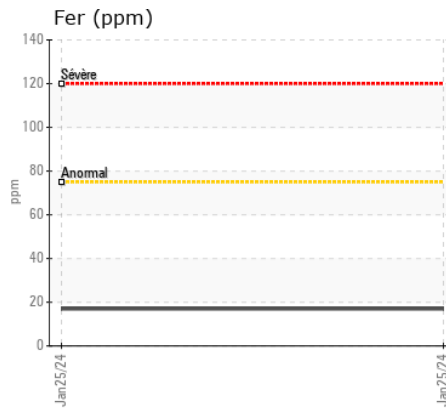
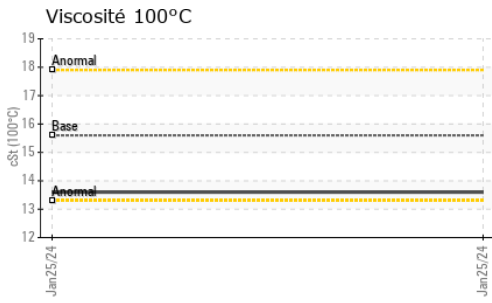
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>11</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	---	---
Essence		WC Method	>3.0	<b>&lt;1.0</b>	---	---
L'eau		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
% de suie	%	ASTM D7844*	>6	<b>0.4</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.0</b>	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>22.7</b>	---	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	---	---

### ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)		<b>7</b>	---	---
Bore	ppm	ASTM D5185(m)	0	<b>10</b>	---	---
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Molybdène	ppm	ASTM D5185(m)	60	<b>46</b>	---	---
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Magnésium	ppm	ASTM D5185(m)	1010	<b>706</b>	---	---
Calcium	ppm	ASTM D5185(m)	1070	<b>1431</b>	---	---
Phosphore	ppm	ASTM D5185(m)	1150	<b>982</b>	---	---
Zinc	ppm	ASTM D5185(m)	1270	<b>1229</b>	---	---
Soufre	ppm	ASTM D5185(m)	2060	<b>2955</b>	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>19.0</b>	---	---
Visc 100°C	cSt	ASTM D7279(m)	15.6	<b>13.6</b>	---	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CUMMINS EASTERN CANADA INC.**  
**N° d'échantillon** : CU **Reçu** : 31 Jan 2024 122 CLYDE AVENUE  
**N° de laboratoire** : 02612407 **Diagnostiqué** : 01 Feb 2024 MOUNT PEARL, NL  
**Numéro unique** : 5721502 **Diagnostiqueur** : Bill Quesnel CA A1N 4S3  
**Analyse** : MOB 1

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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