



# RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

**INTERNATIONAL 52839**

Composant

**Moteur diesel**

Fluid

**PETRO CANADA DURON SAE 10W30 (--- LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0929473</b>	WC0857907	---
Date d'échant.		Client Info		<b>08 May 2024</b>	15 Sep 2023	---
Âge d la Machine	kms	Client Info		<b>342659</b>	315159	---
Âge de l'huile	kms	Client Info		<b>27500</b>	31005	---
Âge du filtre	kms	Client Info		<b>27500</b>	31005	---
Huile changée		Client Info		<b>N/A</b>	Changed	---
Filtre changé		Client Info		<b>N/A</b>	Changed	---
Statut de l'échant.				<b>NORMAL</b>	NORMAL	---

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>36</b>	38	---
Chrome	ppm	ASTM D5185(m)	>20	<b>2</b>	2	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	0	---
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	---
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	---
Aluminium	ppm	ASTM D5185(m)	>20	<b>7</b>	11	---
Plomb	ppm	ASTM D5185(m)	>40	<b>8</b>	12	---
Cuivre	ppm	ASTM D5185(m)	>330	<b>2</b>	2	---
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## CONTAMINATION

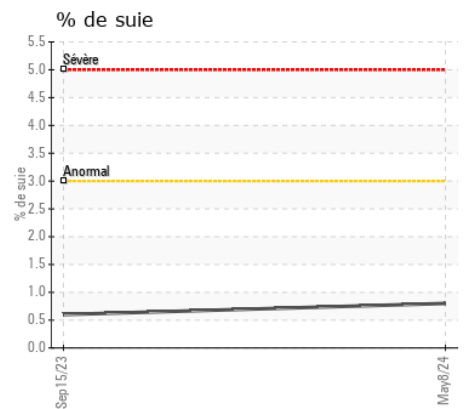
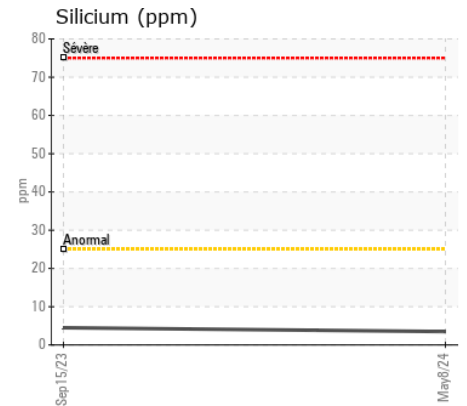
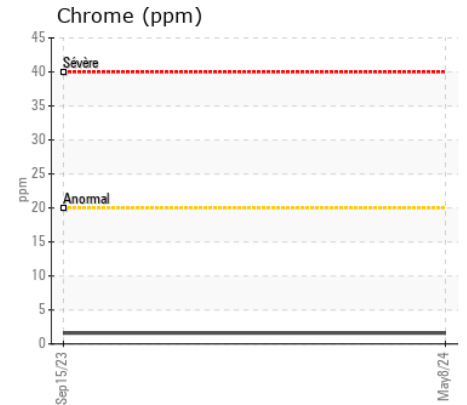
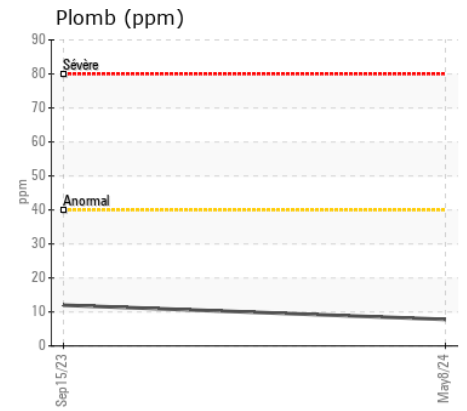
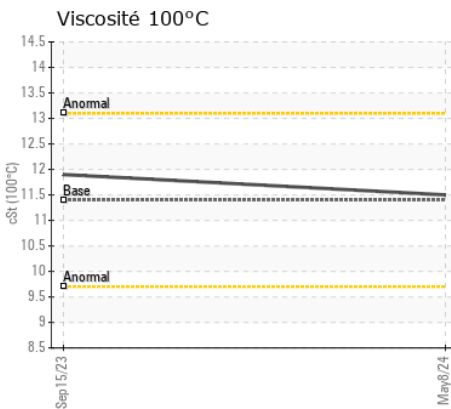
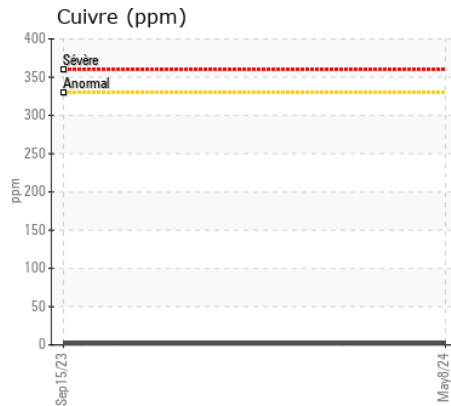
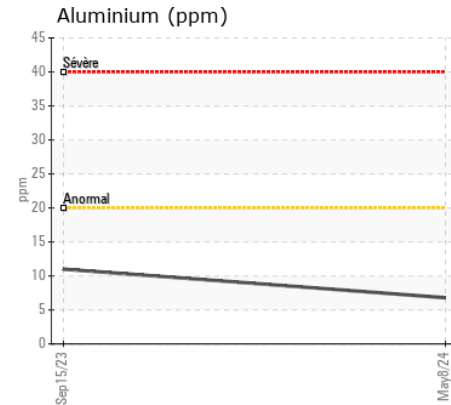
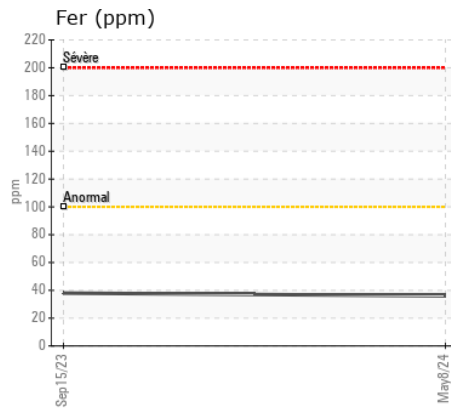
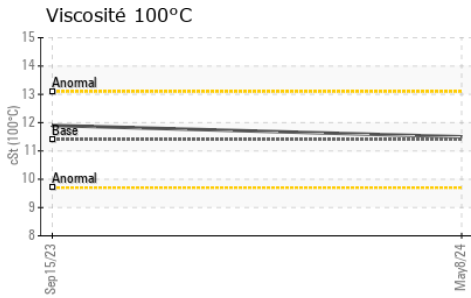
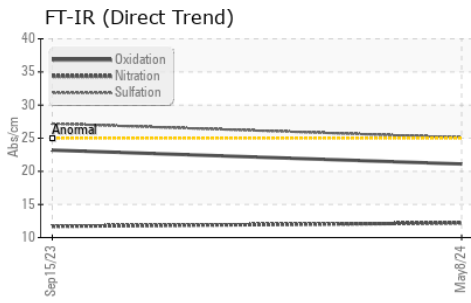
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>8</b>	26	---
Essence		WC Method	>2.0	<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*	>3	<b>0.8</b>	0.6	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.2</b>	11.7	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>25.1</b>	27.2	---
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>1</b>	2	---
Bore	ppm	ASTM D5185(m)	1	<b>4</b>	19	---
Baryum	ppm	ASTM D5185(m)	1	<b>0</b>	<1	---
Molybdène	ppm	ASTM D5185(m)	1	<b>60</b>	62	---
Manganèse	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	---
Magnésium	ppm	ASTM D5185(m)	10	<b>886</b>	396	---
Calcium	ppm	ASTM D5185(m)	2942	<b>1172</b>	1881	---
Phosphore	ppm	ASTM D5185(m)	1102	<b>1002</b>	1037	---
Zinc	ppm	ASTM D5185(m)	1351	<b>1189</b>	1269	---
Soufre	ppm	ASTM D5185(m)	3903	<b>2400</b>	2607	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>21.1</b>	23.2	---
Visc 100°C	cSt	ASTM D7279(m)	11.4	<b>11.5</b>	11.9	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0929473  
**N° de laboratoire** : 02642857  
**Numéro unique** : 5800396  
**Analyse** : MOB 1

**Reçu** : 19 Jun 2024  
**Tested** : 19 Jun 2024  
**Diagnostiqué** : 19 Jun 2024 - Wes Davis

**MANITOU LIN TRANSPORT**  
 1890 DES SOURCES BOULEVARD  
 POINTE CLAIRE, QC  
 CA H9R 5B1  
 Contact: Eric Marcelin  
 emarcelin@manitoulintransport.com  
 T: (514)694-5111  
 F: (514)694-9739

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.