



# RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

**FREIGHTLINER 52980**

Composant

**Moteur diesel**

Fluid

**PETRO CANADA DURON SHP 10W30 (--- 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>WC0877586</b>	---	---
Date d'échant.		Client Info		<b>06 Dec 2023</b>	---	---
Âge d la Machine	kms	Client Info		<b>65665</b>	---	---
Âge de l'huile	kms	Client Info		<b>65665</b>	---	---
Âge du filtre	kms	Client Info		<b>65665</b>	---	---
Huile changée		Client Info		<b>Changed</b>	---	---
Filtre changé		Client Info		<b>Changed</b>	---	---
Statut de l'échant.				<b>NORMAL</b>	---	---

## USURE

Metal levels are typical for a components first oil change.

Fer	ppm	ASTM D5185(m)	>80	<b>81</b>	---	---
Chrome	ppm	ASTM D5185(m)	>5	<b>5</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>1</b>	---	---
Titane	ppm	ASTM D5185(m)		<b>0</b>	---	---
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	---	---
Aluminium	ppm	ASTM D5185(m)	>30	<b>98</b>	---	---
Plomb	ppm	ASTM D5185(m)	>30	<b>4</b>	---	---
Cuivre	ppm	ASTM D5185(m)	>150	<b>186</b>	---	---
Étain	ppm	ASTM D5185(m)	>5	<b>4</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

## CONTAMINATION

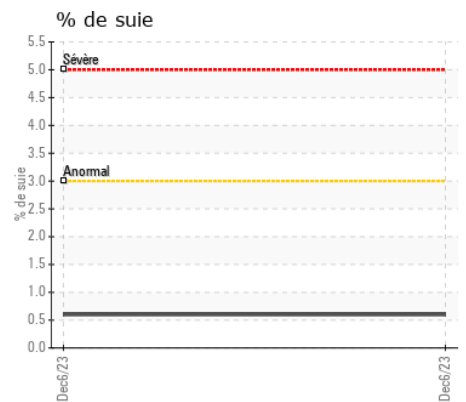
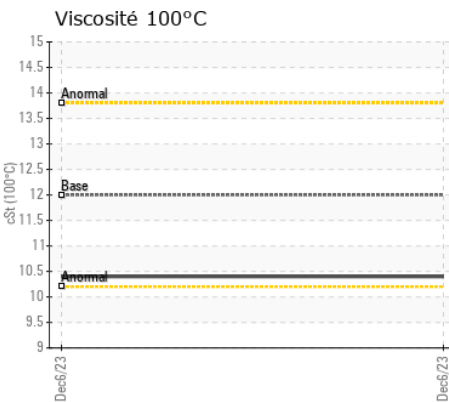
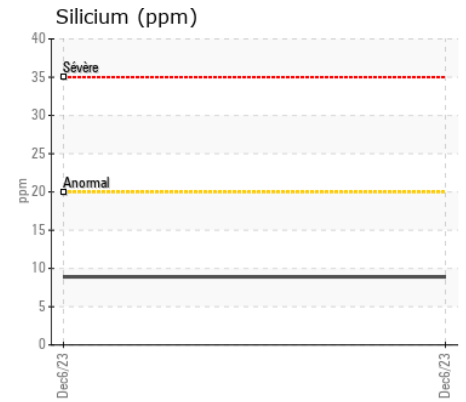
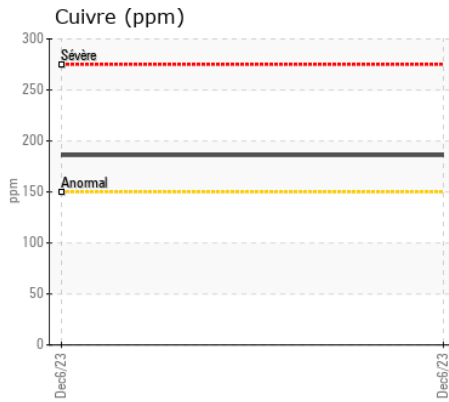
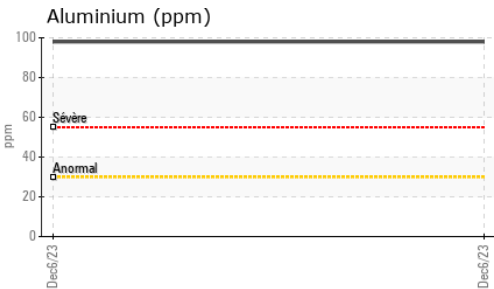
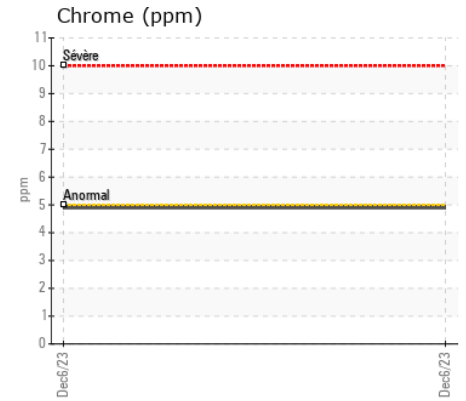
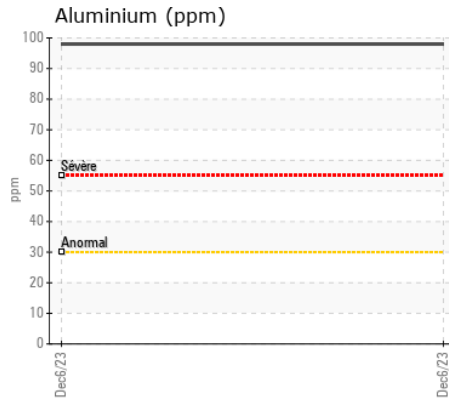
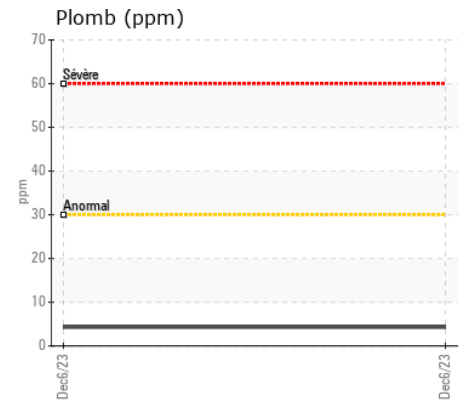
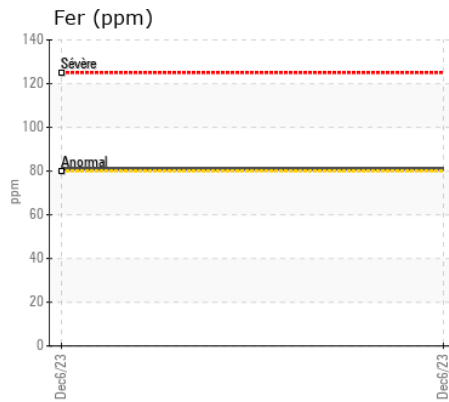
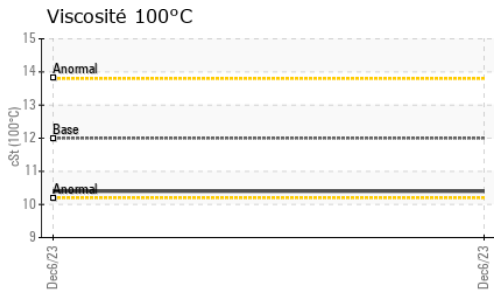
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>20	<b>9</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>207</b>	---	---
Essence		WC Method	>5	<b>&lt;1.0</b>	---	---
L'eau		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
% de suie	%	ASTM D7844*	>3	<b>0.6</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.6</b>	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>23.5</b>	---	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	---	---

## 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>9</b>	---	---
Bore	ppm	ASTM D5185(m)	2	<b>29</b>	---	---
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Molybdène	ppm	ASTM D5185(m)	50	<b>43</b>	---	---
Manganèse	ppm	ASTM D5185(m)	0	<b>5</b>	---	---
Magnésium	ppm	ASTM D5185(m)	950	<b>528</b>	---	---
Calcium	ppm	ASTM D5185(m)	1050	<b>1732</b>	---	---
Phosphore	ppm	ASTM D5185(m)	995	<b>717</b>	---	---
Zinc	ppm	ASTM D5185(m)	1180	<b>877</b>	---	---
Soufre	ppm	ASTM D5185(m)	2600	<b>1605</b>	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>24.6</b>	---	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>10.4</b>	---	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0877586 **Reçu** : 19 Dec 2023  
**N° de laboratoire** : 02604061 **Diagnostiqué** : 19 Dec 2023  
**Numéro unique** : 5697146 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1

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Pour discuter cette 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.