



Identité de la machine

**FREIGHTLINER 4094**

Composant

**Moteur diesel**

Fluide

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

**RECOMMENDATION**

Confirm the source of the lubricant being utilized for top-up/fill.  
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0073273</b>	---	---
Date d'échant.		Client Info		<b>30 May 2023</b>	---	---
Âge d la Machine	kms	Client Info		<b>86914</b>	---	---
Âge de l'huile	kms	Client Info		<b>86914</b>	---	---
Âge du filtre	kms	Client Info		<b>86914</b>	---	---
Huile changée		Client Info		<b>Changed</b>	---	---
Filtre changé		Client Info		<b>Changed</b>	---	---
Statut de l'échant.				<b>NORMAL</b>	---	---

**USURE**

Les taux de métaux sont typiques d'une première vidange.

Fer	ppm	ASTM D5185(m)	>80	<b>104</b>	---	---
Chrome	ppm	ASTM D5185(m)	>5	<b>7</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>1</b>	---	---
Titane	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	---	---
Aluminium	ppm	ASTM D5185(m)	>30	<b>84</b>	---	---
Plomb	ppm	ASTM D5185(m)	>30	<b>4</b>	---	---
Cuivre	ppm	ASTM D5185(m)	>150	<b>169</b>	---	---
Étain	ppm	ASTM D5185(m)	>5	<b>6</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

**CONTAMINATION**

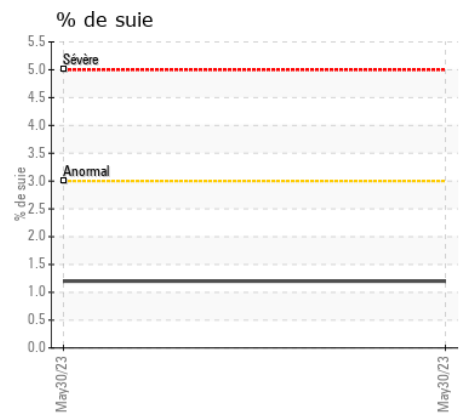
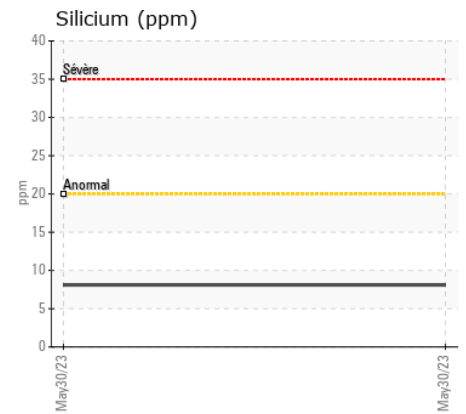
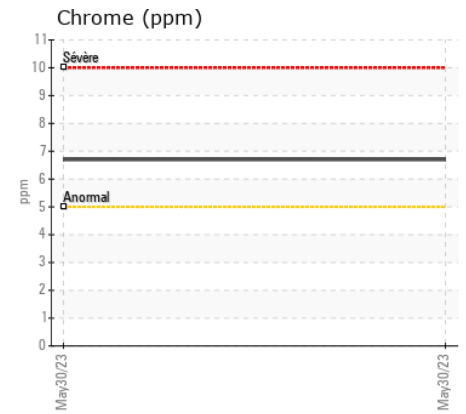
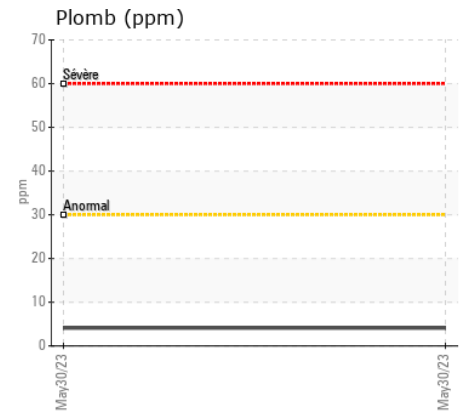
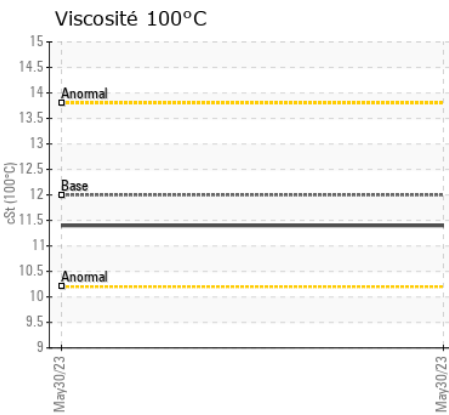
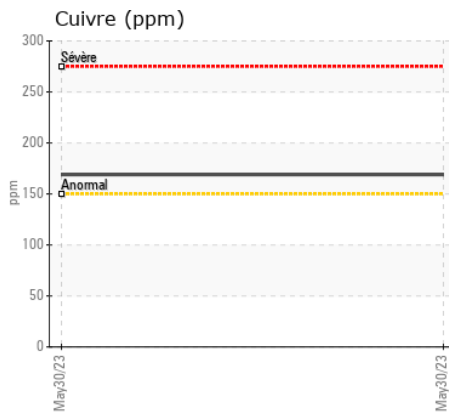
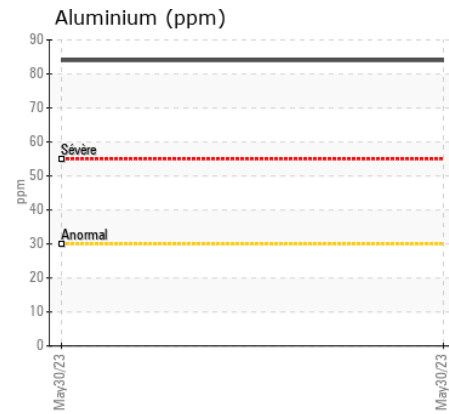
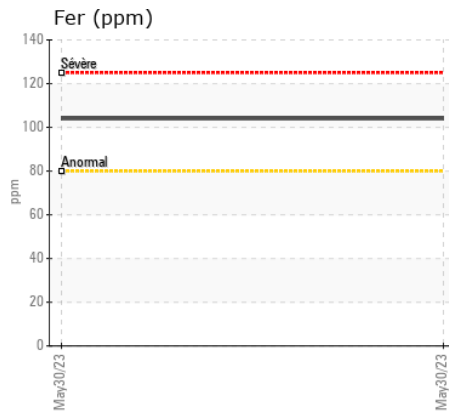
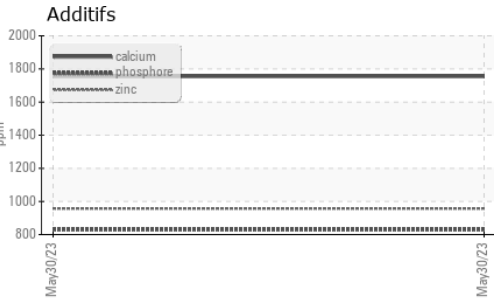
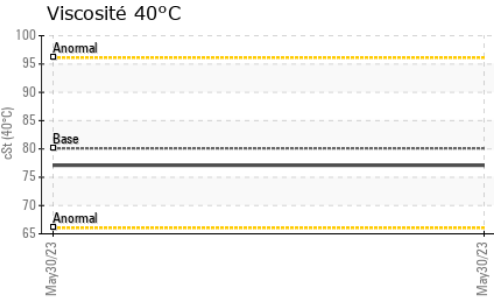
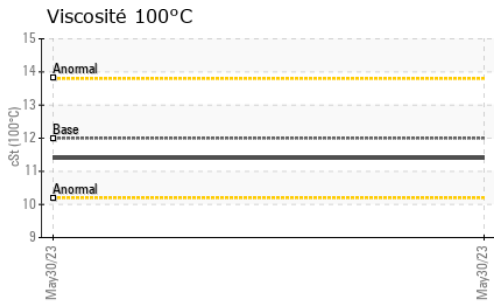
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>20	<b>8</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>186</b>	---	---
Essence		WC Method	>5	<b>&lt;1.0</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
% de suie	%	ASTM D7844*	>3	<b>1.2</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>13.7</b>	---	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>26.4</b>	---	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	---	---

**ÉTAT DU FLUIDE**

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>6</b>	---	---
Bore	ppm	ASTM D5185(m)	2	<b>20</b>	---	---
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Molybdène	ppm	ASTM D5185(m)	50	<b>49</b>	---	---
Manganèse	ppm	ASTM D5185(m)	0	<b>5</b>	---	---
Magnésium	ppm	ASTM D5185(m)	950	<b>648</b>	---	---
Calcium	ppm	ASTM D5185(m)	1050	<b>1755</b>	---	---
Phosphore	ppm	ASTM D5185(m)	995	<b>830</b>	---	---
Zinc	ppm	ASTM D5185(m)	1180	<b>957</b>	---	---
Soufre	ppm	ASTM D5185(m)	2600	<b>1594</b>	---	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>30.3</b>	---	---
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>77.1</b>	---	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.4</b>	---	---
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>139</b>	---	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0073273 **Reçu** : 11 Jul 2023  
**N° de laboratoire** : 02568964 **Diagnostiqueur** : 11 Jul 2023  
**Numéro unique** : 5606010 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI )

**LOCATION BROSSARD INC**  
 2190 HYMUS  
 DORVAL, QC  
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 Contact: Shawn Lamoureux  
 slamoureux@brossard.com

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.  
 Validity of results and interpretation are based on the sample and information as supplied.