



Identité de la machine

**FREIGHTLINER 4035**

Composant

**Moteur diesel**

Fluide

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

**RECOMMANDATION**

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>PC0075831</b>	PC0066145	PC0051224
Date d'échant.		Client Info		<b>12 Oct 2023</b>	12 Apr 2023	02 Mar 2022
Âge d la Machine	kms	Client Info		<b>161578</b>	0	40990
Âge de l'huile	kms	Client Info		<b>31001</b>	33050	40990
Âge du filtre	kms	Client Info		<b>31001</b>	33050	40990
Huile changée		Client Info		<b>Changed</b>	Changed	Changed
Filtre changé		Client Info		<b>Changed</b>	Changed	Changed
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

**USURE**

Les taux d'usure de tous les composants sont normaux.

Fer	ppm	ASTM D5185(m)	>80	<b>15</b>	20	38
Chrome	ppm	ASTM D5185(m)	>5	<b>2</b>	3	2
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	2
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	<1
Aluminium	ppm	ASTM D5185(m)	>30	<b>8</b>	14	32
Plomb	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	1	20
Cuivre	ppm	ASTM D5185(m)	>150	<b>32</b>	55	676
Étain	ppm	ASTM D5185(m)	>5	<b>2</b>	2	11
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

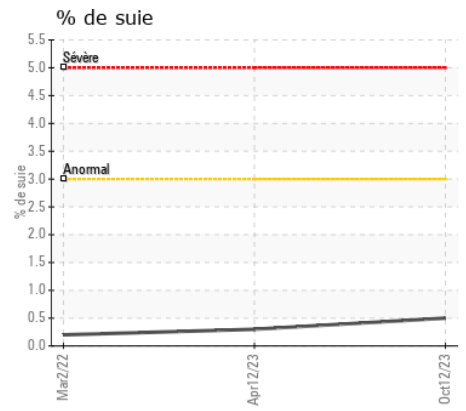
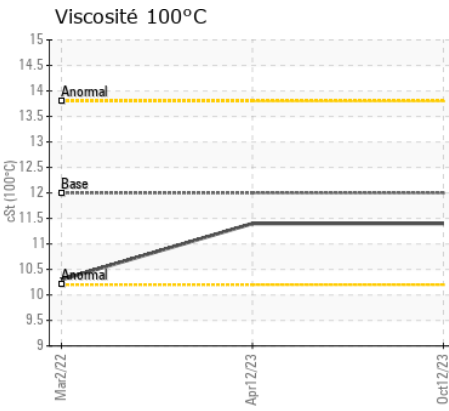
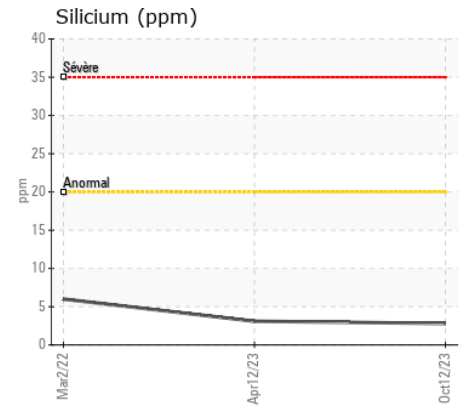
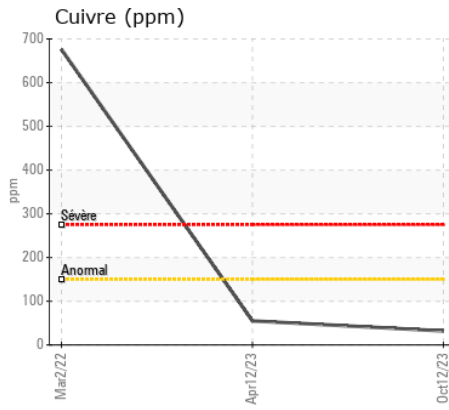
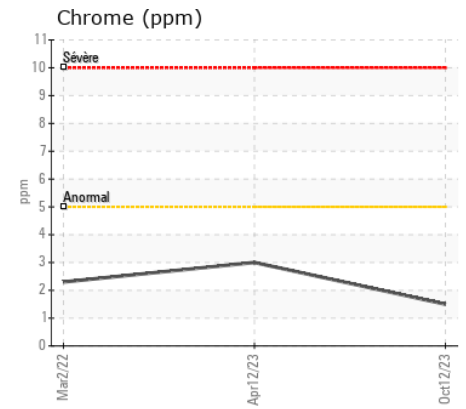
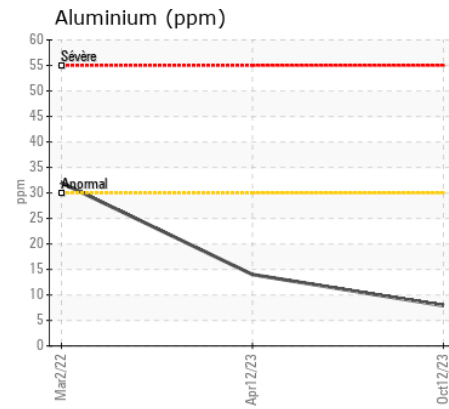
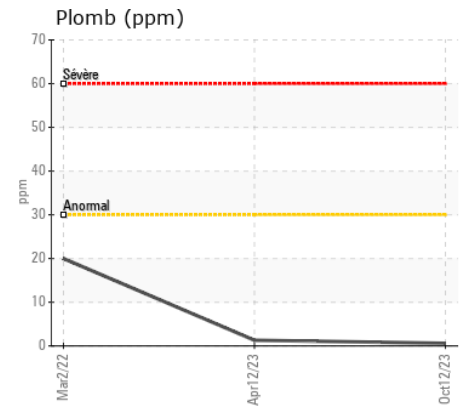
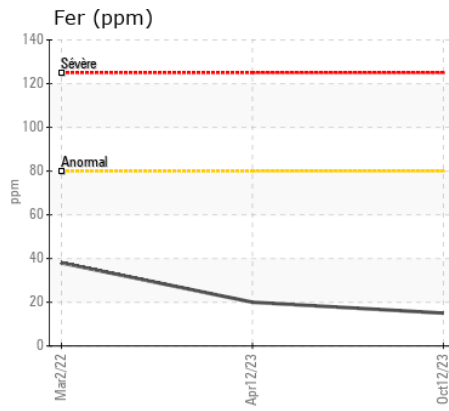
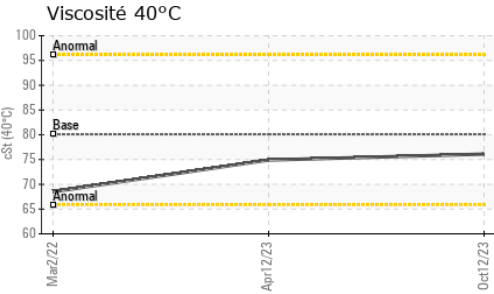
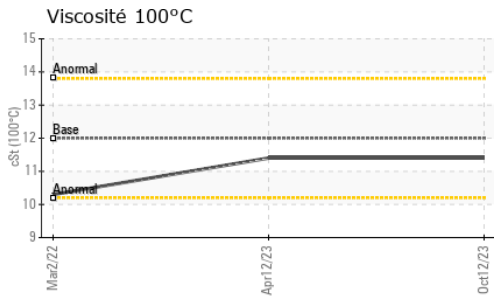
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>20	<b>3</b>	3	6
Potassium	ppm	ASTM D5185(m)	>20	<b>10</b>	22	91
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.5</b>	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.1</b>	8.1	10.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.1</b>	19.6	22.8
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**ÉTAT DU FLUIDE**

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	6
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	2	31
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdène	ppm	ASTM D5185(m)	50	<b>60</b>	65	2
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	4
Magnésium	ppm	ASTM D5185(m)	950	<b>969</b>	1065	759
Calcium	ppm	ASTM D5185(m)	1050	<b>1092</b>	1246	1346
Phosphore	ppm	ASTM D5185(m)	995	<b>1006</b>	1128	747
Zinc	ppm	ASTM D5185(m)	1180	<b>1220</b>	1275	814
Soufre	ppm	ASTM D5185(m)	2600	<b>2339</b>	2563	2425
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>15.7</b>	15.5	17.4
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>76.1</b>	74.9	68.5
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.4</b>	11.4	10.3
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>141</b>	144	136



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0075831 **Reçu** : 25 Oct 2023  
**N° de laboratoire** : 02591700 **Diagnostiqué** : 25 Oct 2023  
**Numéro unique** : 5668779 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI )

**LOCATION BROSSARD INC**  
 2190 HYMUS  
 DORVAL, QC  
 CA H9P 1J7  
 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.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

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