



Identité de la machine

**FREIGHTLINER 3879**

Composant

**Moteur diesel**

Fluide

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

**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>PC0073271</b>	PC0054234	PC0045832
Date d'échant.		Client Info		<b>21 Jun 2023</b>	16 Dec 2021	21 Jun 2021
Âge d la Machine	kms	Client Info		<b>310045</b>	203046	0
Âge de l'huile	kms	Client Info		<b>49547</b>	0	0
Âge du filtre	kms	Client Info		<b>49547</b>	0	0
Huile changée		Client Info		<b>Changed</b>	N/A	N/A
Filtre changé		Client Info		<b>Changed</b>	N/A	N/A
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)	>100	<b>17</b>	27	29
Chrome	ppm	ASTM D5185(m)	>20	<b>2</b>	3	3
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>12</b>	30	29
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	2
Cuivre	ppm	ASTM D5185(m)	>330	<b>5</b>	24	46
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	1	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

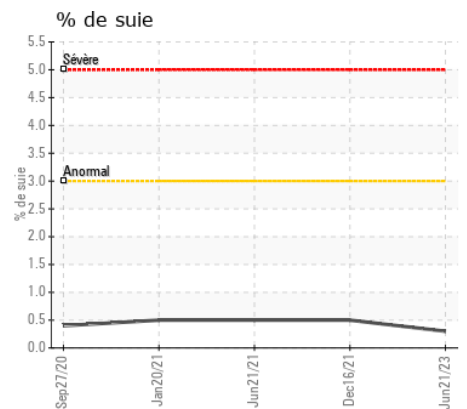
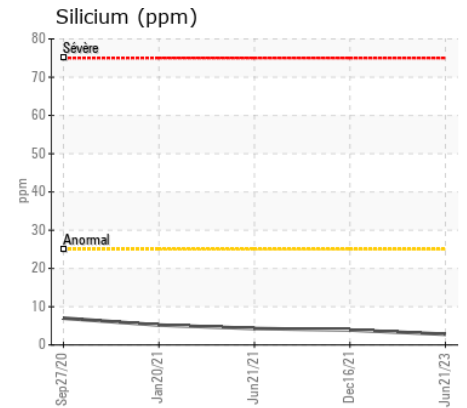
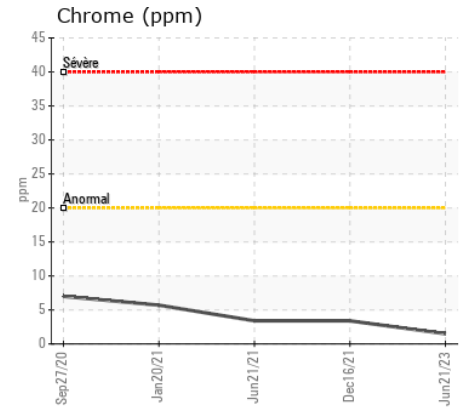
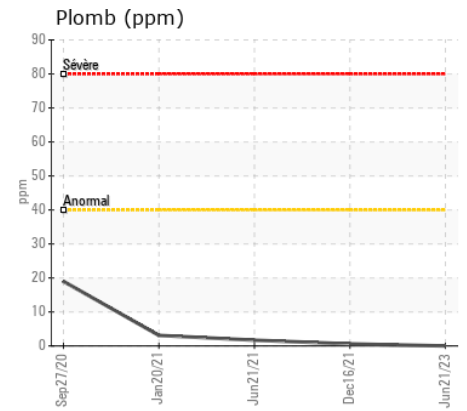
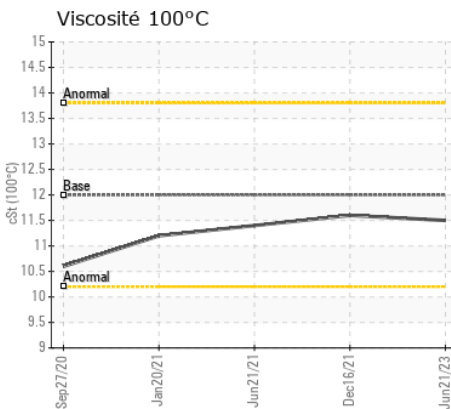
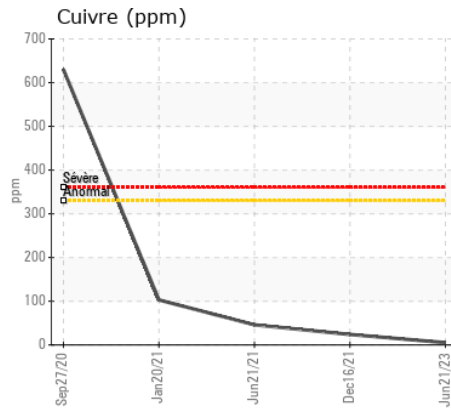
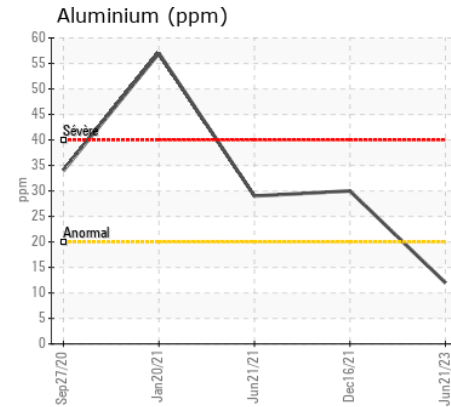
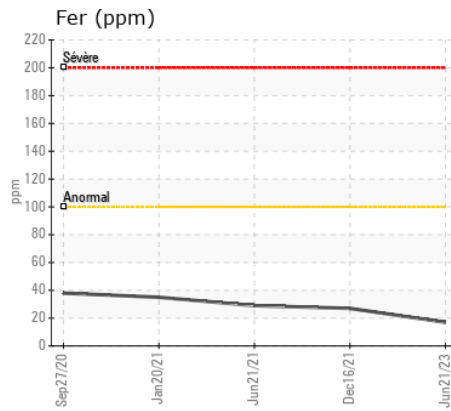
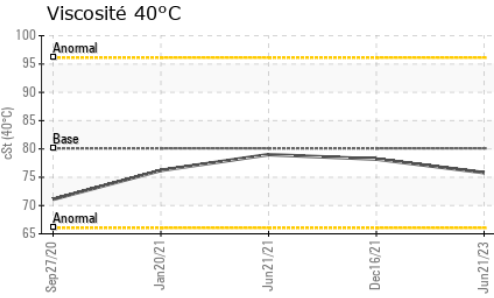
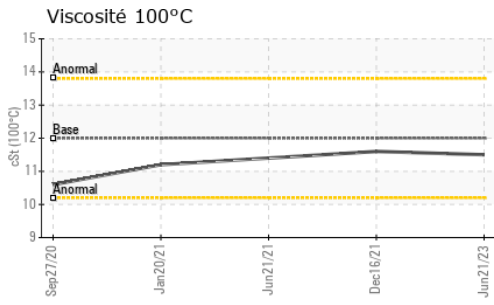
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	<b>3</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>12</b>	51	48
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	0.0
Glycol		WC Method		<b>NEG</b>	NEG	0.0
% de suie	%	ASTM D7844*	>3	<b>0.3</b>	0.5	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.4</b>	8.9	8.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.0</b>	22.6	22.7
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>	3	2
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	4	2
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>60</b>	61	59
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	1
Magnésium	ppm	ASTM D5185(m)	950	<b>1005</b>	1051	970
Calcium	ppm	ASTM D5185(m)	1050	<b>1078</b>	1109	1109
Phosphore	ppm	ASTM D5185(m)	995	<b>1052</b>	1027	941
Zinc	ppm	ASTM D5185(m)	1180	<b>1206</b>	1246	1253
Soufre	ppm	ASTM D5185(m)	2600	<b>2427</b>	2077	2057
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.2</b>	18.3	18.2
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>75.8</b>	78.2	79.0
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.5</b>	11.6	11.4
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>144</b>	140	135



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0073271 **Reçu** : 11 Jul 2023  
**N° de laboratoire** : 02568962 **Diagnostiqueur** : 11 Jul 2023  
**Numéro unique** : 5606008 **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.  
 Validity of results and interpretation are based on the sample and information as supplied.

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