



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

Identité de la machine

**FREIGHTLINER 4028**

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>PC0072133</b>	PC0066146	PC0065896
Date d'échant.		Client Info		<b>15 Aug 2023</b>	13 Apr 2023	07 Mar 2023
Âge d la Machine	hrs	Client Info		<b>353951</b>	508170	258670
Âge de l'huile	hrs	Client Info		<b>42270</b>	23994	82586
Âge du filtre	hrs	Client Info		<b>42270</b>	23994	82586
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>	18	56
Chrome	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	2
Nickel	ppm	ASTM D5185(m)	>2	<b>2</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>30	<b>3</b>	12	15
Plomb	ppm	ASTM D5185(m)	>30	<b>1</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>150	<b>10</b>	8	29
Étain	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	3
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

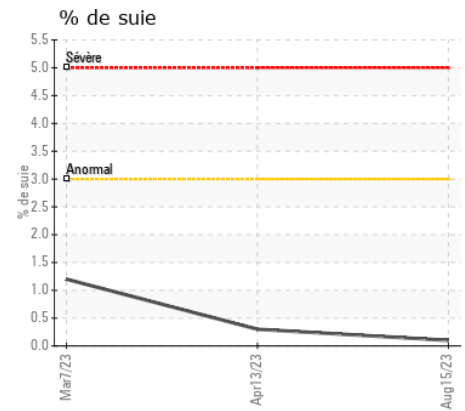
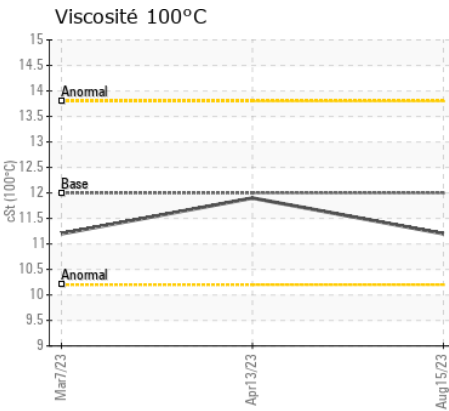
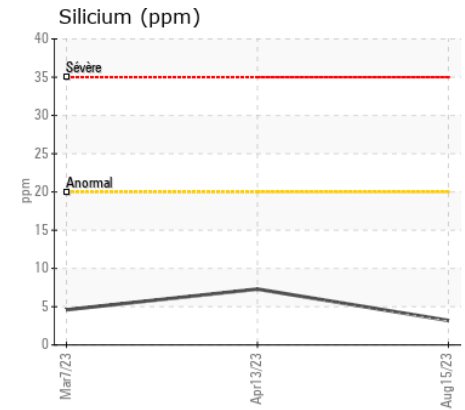
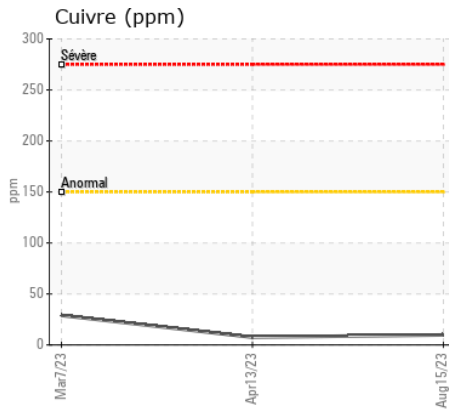
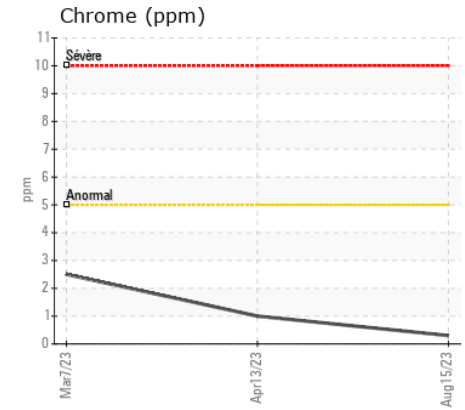
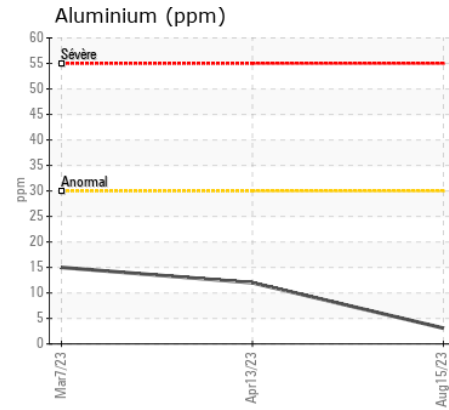
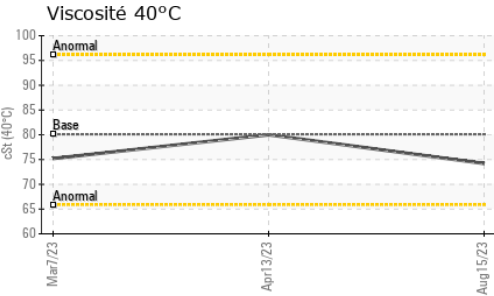
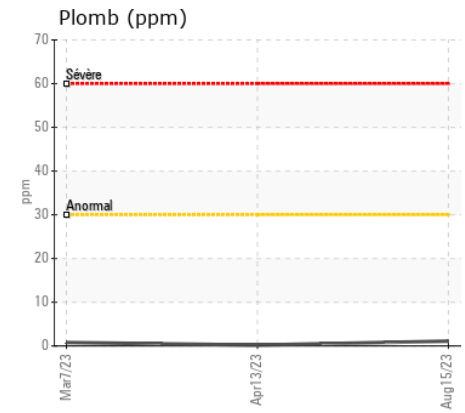
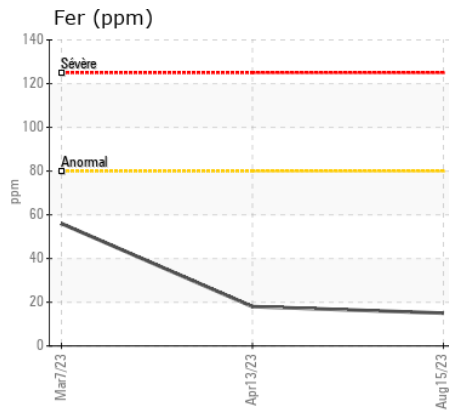
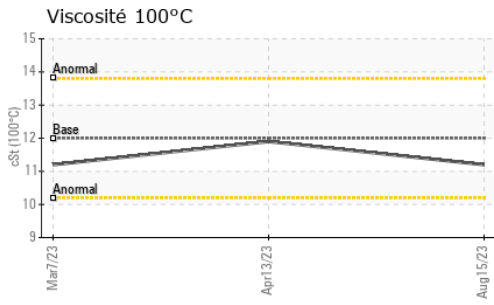
Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>20	<b>3</b>	7	5
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	3	34
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>0.1</b>	0.3	1.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.0</b>	8.7	11.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.6</b>	19.9	25.8
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
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>3</b>	3	2
Bore	ppm	ASTM D5185(m)	2	<b>3</b>	7	2
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>59</b>	70	62
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	1
Magnésium	ppm	ASTM D5185(m)	950	<b>964</b>	928	990
Calcium	ppm	ASTM D5185(m)	1050	<b>1034</b>	1443	1146
Phosphore	ppm	ASTM D5185(m)	995	<b>1060</b>	1155	1047
Zinc	ppm	ASTM D5185(m)	1180	<b>1160</b>	1288	1207
Soufre	ppm	ASTM D5185(m)	2600	<b>2584</b>	2818	1983
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.5</b>	15.9	21.4
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>74.2</b>	80.0	75.2
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.2</b>	11.9	11.2
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>141</b>	142	139



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0072133 **Reçu** : 15 Sep 2023  
**N° de laboratoire** : 02582782 **Diagnostiqué** : 15 Sep 2023  
**Numéro unique** : 5643847 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI, Visual )

**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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