



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

Identité de la machine

**3966**

Composant

**Moteur diesel**

Fluid

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

**RECOMMANDATION**

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0083906</b>	PC0066401	PC0058887
Date d'échant.		Client Info		<b>17 Nov 2023</b>	26 May 2023	28 Jun 2022
Âge d la Machine	kms	Client Info		<b>154488</b>	132730	72288
Âge de l'huile	kms	Client Info		<b>21758</b>	24730	25834
Âge du filtre	kms	Client Info		<b>21758</b>	24730	25834
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)	>100	<b>13</b>	14	16
Chrome	ppm	ASTM D5185(m)	>20	<b>2</b>	2	1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>27</b>	26	12
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	2
Cuivre	ppm	ASTM D5185(m)	>330	<b>14</b>	24	66
Étain	ppm	ASTM D5185(m)	>15	<b>1</b>	2	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**

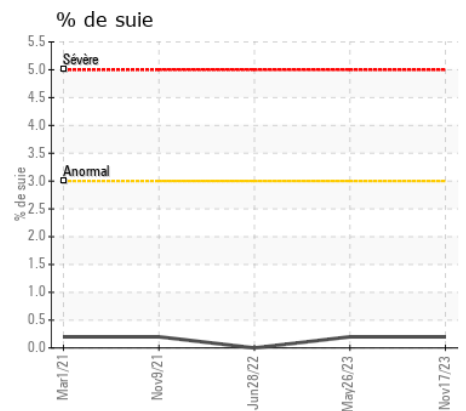
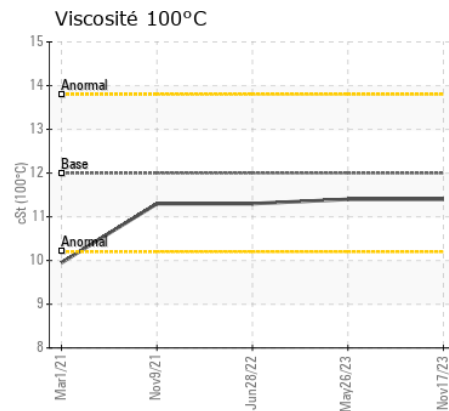
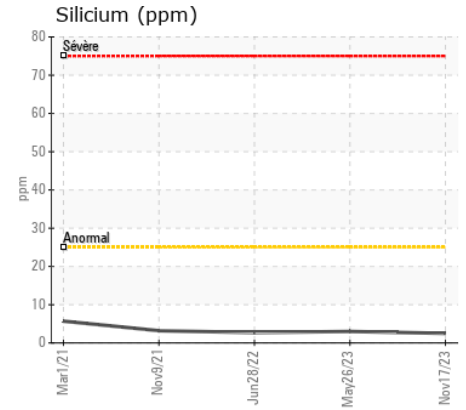
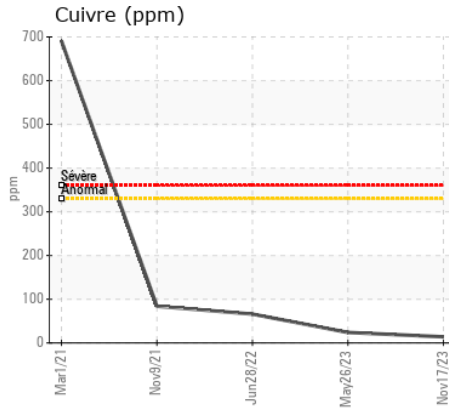
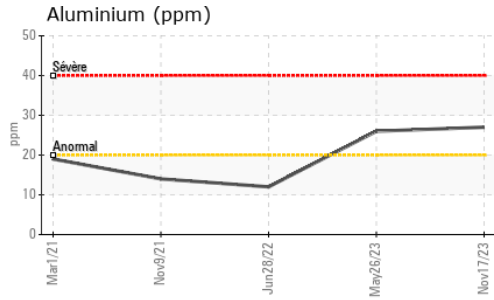
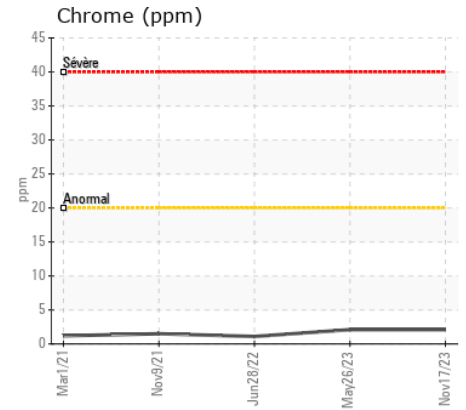
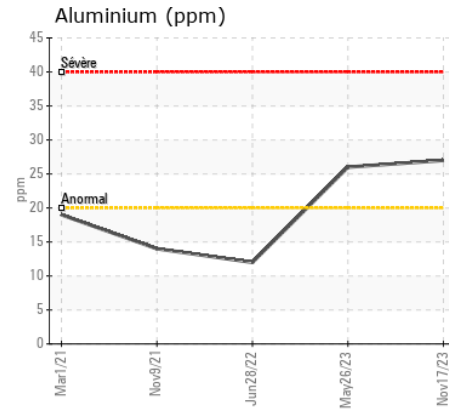
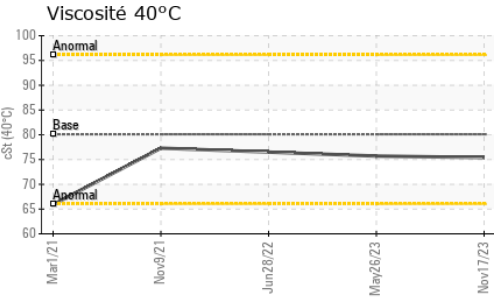
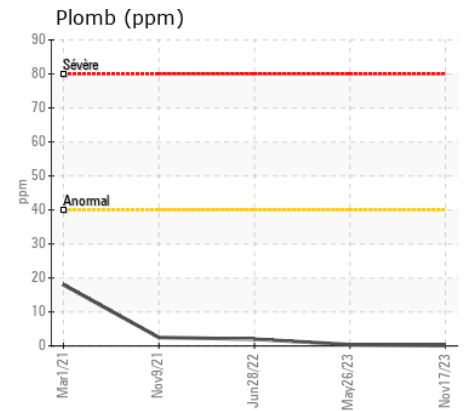
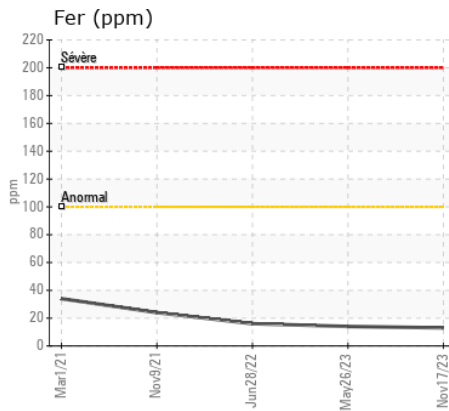
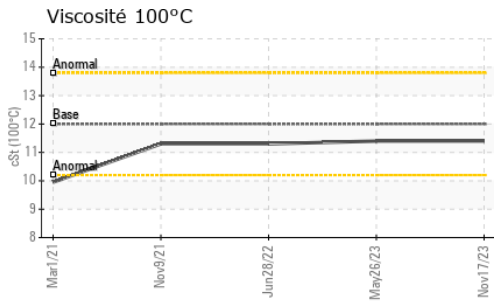
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	<b>2</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>50</b>	37	31
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.2</b>	0.2	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.1</b>	7.6	3.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.2</b>	19.5	15.0
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>2</b>	2	6
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	2	4
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>58</b>	61	58
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>954</b>	965	951
Calcium	ppm	ASTM D5185(m)	1050	<b>1054</b>	1111	1098
Phosphore	ppm	ASTM D5185(m)	995	<b>1004</b>	1080	936
Zinc	ppm	ASTM D5185(m)	1180	<b>1178</b>	1192	1137
Soufre	ppm	ASTM D5185(m)	2600	<b>2636</b>	2472	2216
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.8</b>	15.7	6.4
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>75.4</b>	75.7	76.5
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.4</b>	11.4	11.3
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>143</b>	142	138



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0083906 **Reçu** : 17 Jan 2024  
**N° de laboratoire** : 02609257 **Diagnostiqué** : 18 Jan 2024  
**Numéro unique** : 5710343 **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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F: