



Identité de la machine

**21-33**

Composant

**Moteur diesel**

Fluide

**PETRO CANADA DURON UHP 5W40 (--- 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>PC0073778</b>	PC0049806	PC0063813
Date d'échant.		Client Info		<b>14 Sep 2023</b>	14 Feb 2023	02 Nov 2022
Âge d la Machine	hrs	Client Info		<b>3288</b>	2955	2570
Âge de l'huile	hrs	Client Info		<b>319</b>	350	373
Âge du filtre	hrs	Client Info		<b>319</b>	350	373
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>19</b>	13	28
Chrome	ppm	ASTM D5185(m)	>6	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>30	<b>10</b>	14	10
Plomb	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	1
Cuivre	ppm	ASTM D5185(m)	>150	<b>4</b>	4	6
Étain	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

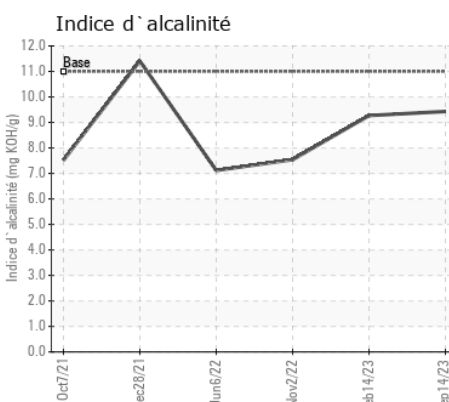
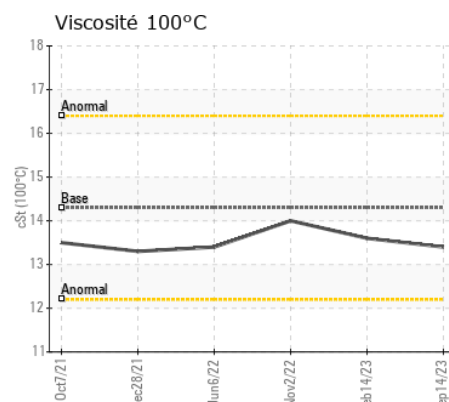
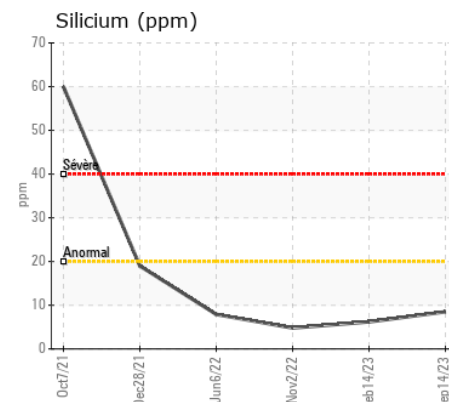
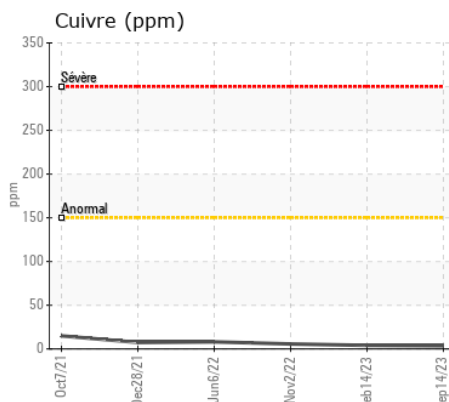
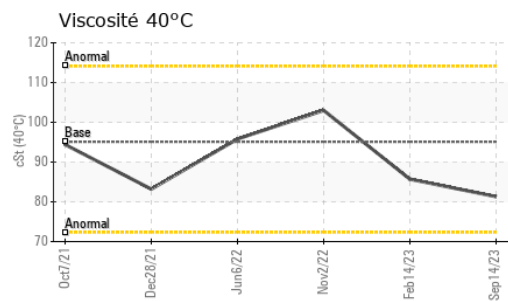
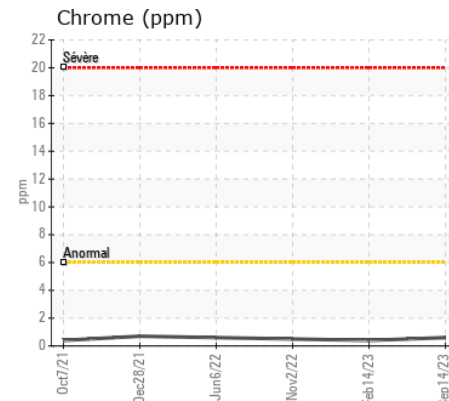
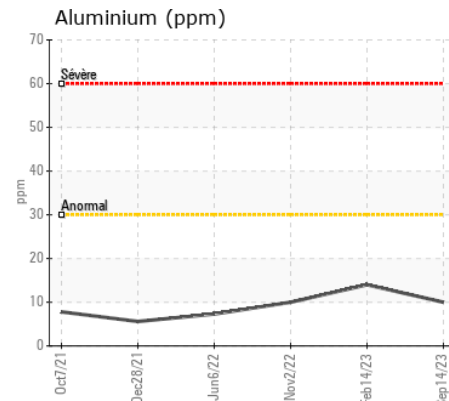
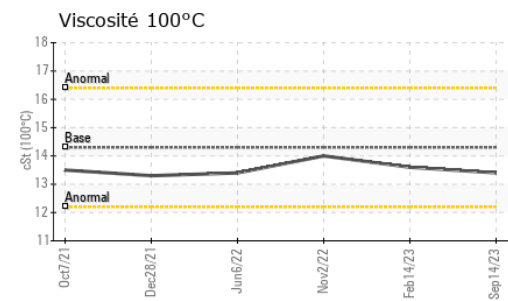
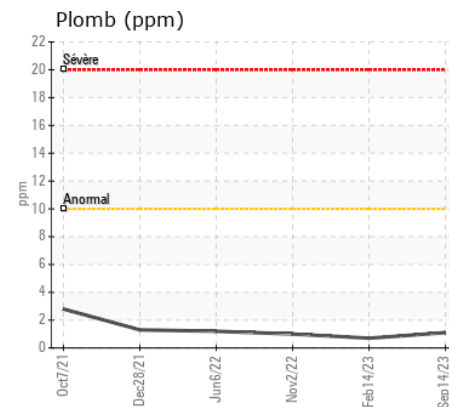
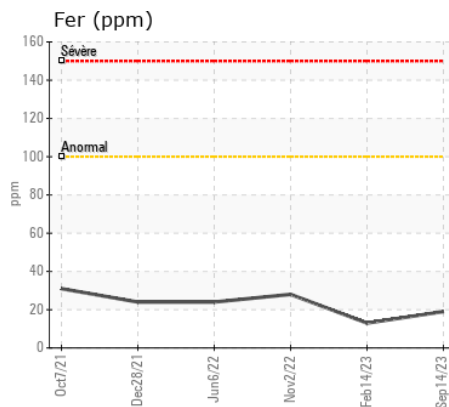
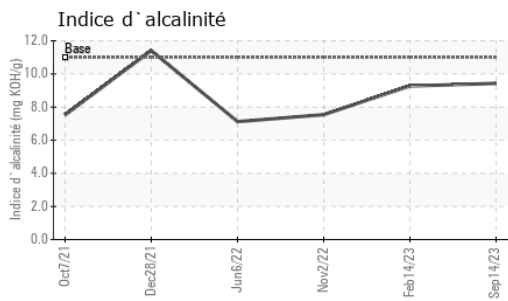
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>20	<b>8</b>	6	5
Potassium	ppm	ASTM D5185(m)	>20	<b>17</b>	22	21
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>0.7</b>	0	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.8</b>	8.0	7.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.9</b>	22.0	21.3
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**ÉTAT DU FLUIDE**

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)		<b>6</b>	4	3
Bore	ppm	ASTM D5185(m)	65	<b>34</b>	44	123
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	65	<b>58</b>	52	9
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	1160	<b>1010</b>	966	146
Calcium	ppm	ASTM D5185(m)	820	<b>832</b>	982	2121
Phosphore	ppm	ASTM D5185(m)	1160	<b>943</b>	1071	1026
Zinc	ppm	ASTM D5185(m)	1260	<b>1137</b>	1174	1164
Soufre	ppm	ASTM D5185(m)	3000	<b>2594</b>	2853	3030
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>17.2</b>	17.9	16.5
Indice d'alcalinité	mg KOH/g	ASTM D2896*	11.0	<b>9.43</b>	9.27	7.54
Visc 40°C	cSt	ASTM D7279(m)	95.1	<b>81.3</b>	85.7	103
Visc 100°C	cSt	ASTM D7279(m)	14.3	<b>13.4</b>	13.6	14.0
Indice de viscosité (VI)	Scale	ASTM D2270*	169	<b>167</b>	161	137



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0073778 **Reçu** : 25 Sep 2023  
**N° de laboratoire** : 02584887 **Diagnostiqué** : 25 Sep 2023  
**Numéro unique** : 5645952 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 2 ( Additional Tests: KV40, VI )

**BETONNIERE LA TUQUE**  
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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.