



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

Identité de la machine

**INTERNATIONAL 345**

Composant

**Moteur diesel**

Fluid

**PETRO CANADA DURON SAE 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>PC0082558</b>	PC0075408	PC0066945
Date d'échant.		Client Info		<b>16 Nov 2023</b>	08 Jun 2023	03 Apr 2023
Âge d la Machine	kms	Client Info		<b>336778</b>	295468	277421
Âge de l'huile	kms	Client Info		<b>59357</b>	18047	68861
Âge du filtre	kms	Client Info		<b>59357</b>	18047	68861
Huile changée		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filtre changé		Client Info		<b>Not Changd</b>	Not Changd	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>24</b>	11	25
Chrome	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>5</b>	2	3
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>6</b>	2	9
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

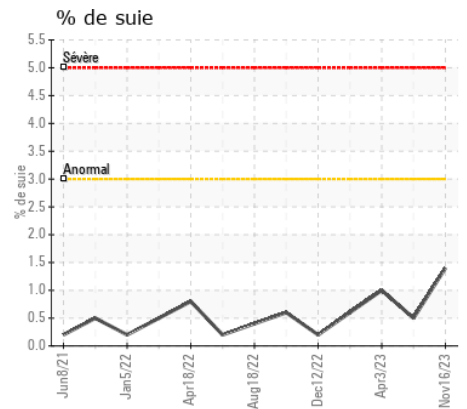
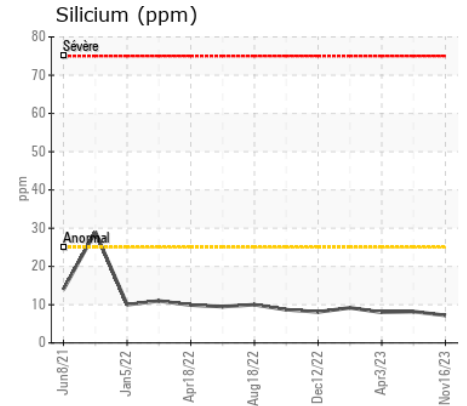
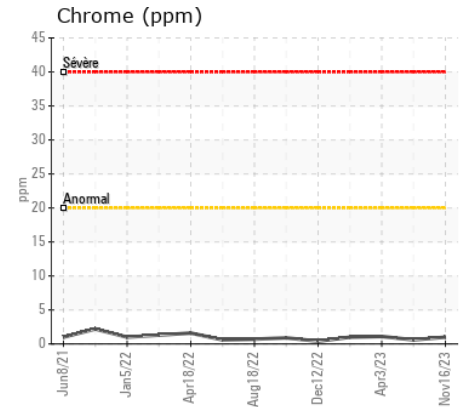
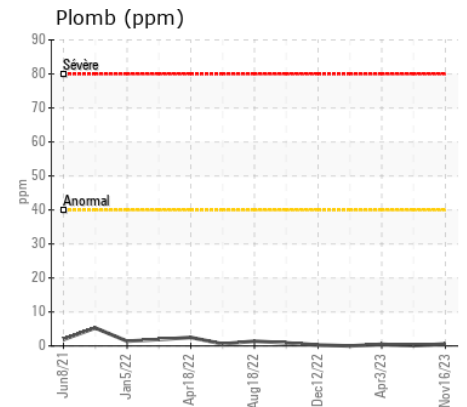
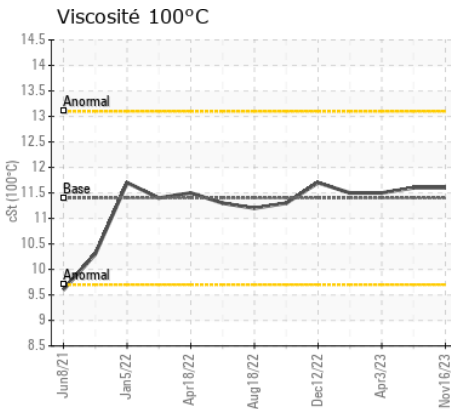
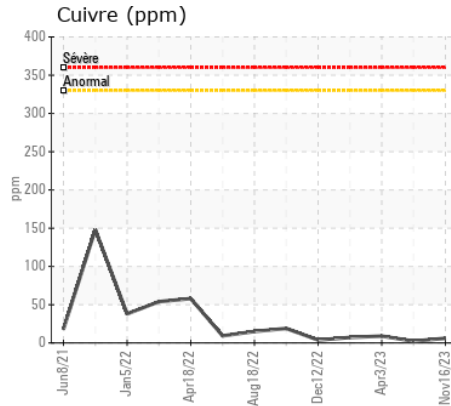
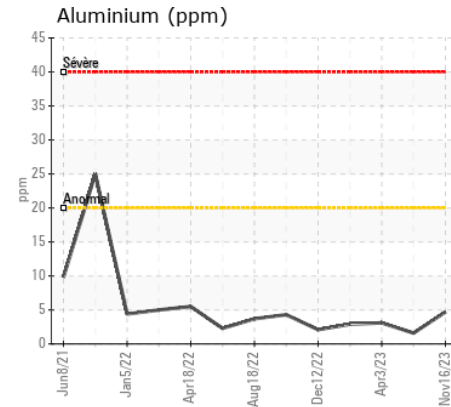
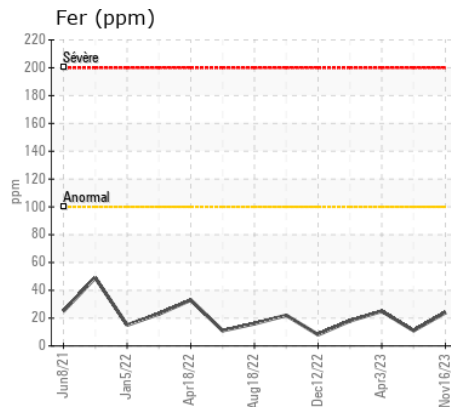
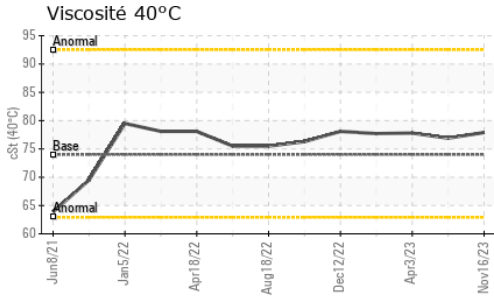
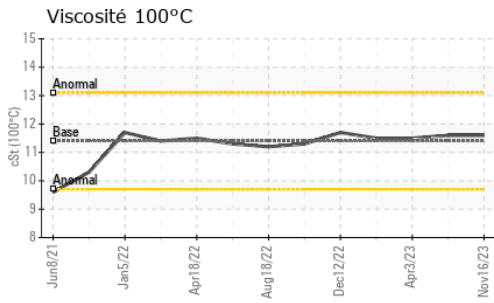
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	<b>7</b>	8	8
Potassium	ppm	ASTM D5185(m)	>20	<b>7</b>	1	2
Essence		WC Method	>2.0	<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>1.4</b>	0.5	1
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.4</b>	7.0	9.7
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>22.8</b>	20.1	22.0
Limon	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Débris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
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	2
Bore	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	2	1
Baryum	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	1	<b>63</b>	59	63
Manganèse	ppm	ASTM D5185(m)	1	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	10	<b>984</b>	983	980
Calcium	ppm	ASTM D5185(m)	2942	<b>1114</b>	1045	1177
Phosphore	ppm	ASTM D5185(m)	1102	<b>970</b>	1044	1011
Zinc	ppm	ASTM D5185(m)	1351	<b>1186</b>	1175	1196
Soufre	ppm	ASTM D5185(m)	3903	<b>2525</b>	2564	2472
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.6</b>	13.8	16.4
Visc 40°C	cSt	ASTM D7279(m)	74.0	<b>77.9</b>	76.9	77.8
Visc 100°C	cSt	ASTM D7279(m)	11.4	<b>11.6</b>	11.6	11.5
Indice de viscosité (VI)	Scale	ASTM D2270*	146	<b>141</b>	143	139



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0082558 **Reçu** : 12 Jan 2024  
**N° de laboratoire** : 02608470 **Diagnostiqué** : 15 Jan 2024  
**Numéro unique** : 5709556 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI, Visual )

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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