



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

Identité de la machine

**INTERNATIONAL 1059**

Composant

**Moteur diesel**

Fluid

**PETRO CANADA DURON SAE 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>PC0084256</b>	PC0073164	PC0066931
Date d'échant.		Client Info		<b>13 May 2024</b>	02 Oct 2023	13 Jan 2023
Âge d la Machine	kms	Client Info		<b>220414</b>	197807	160960
Âge de l'huile	kms	Client Info		<b>27607</b>	31847	52682
Âge du filtre	kms	Client Info		<b>27607</b>	31847	52682
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)	>90	<b>42</b>	41	66
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	2
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>13</b>	13	19
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	0
Cuivre	ppm	ASTM D5185(m)	>330	<b>2</b>	2	2
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

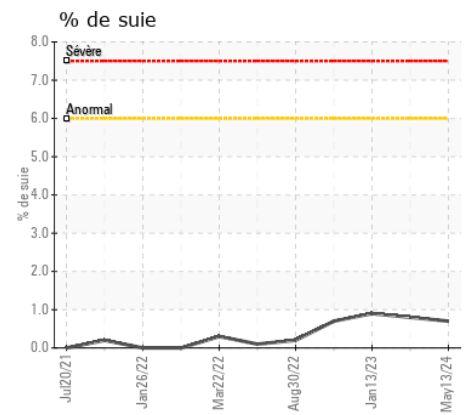
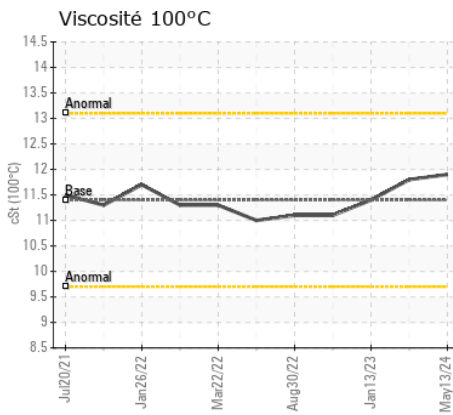
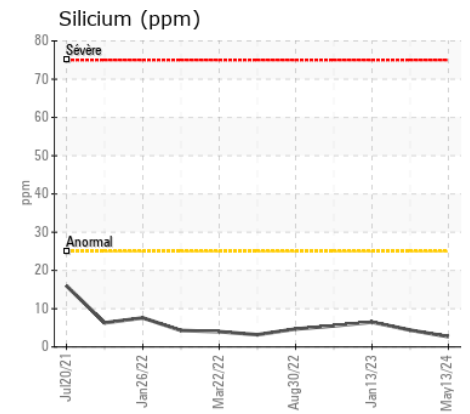
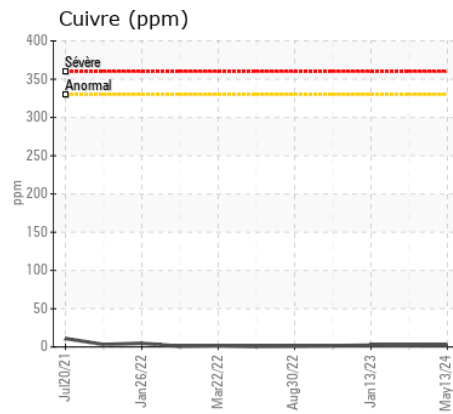
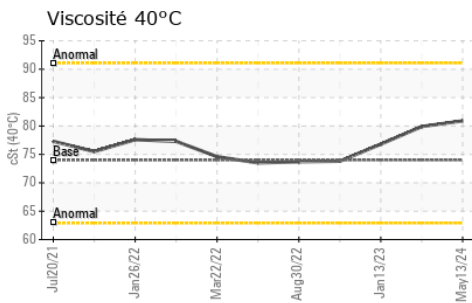
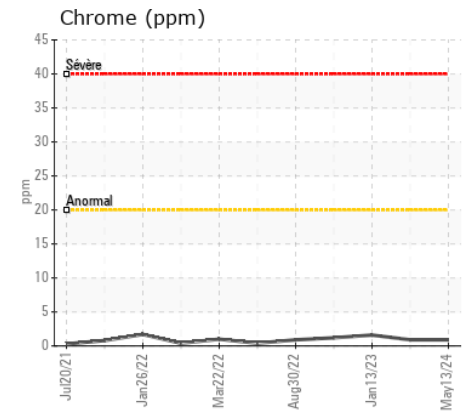
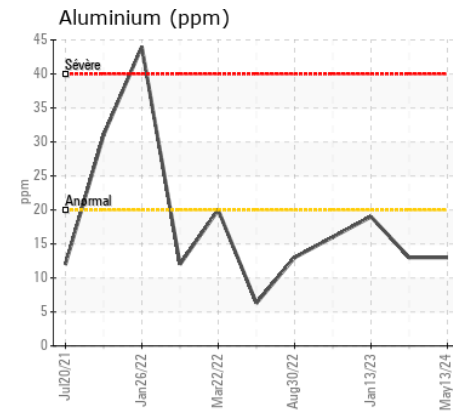
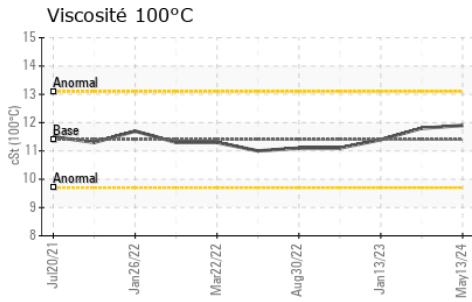
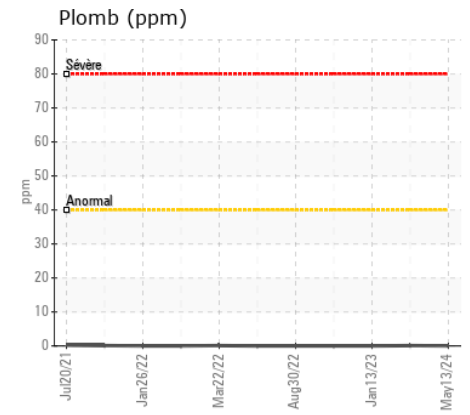
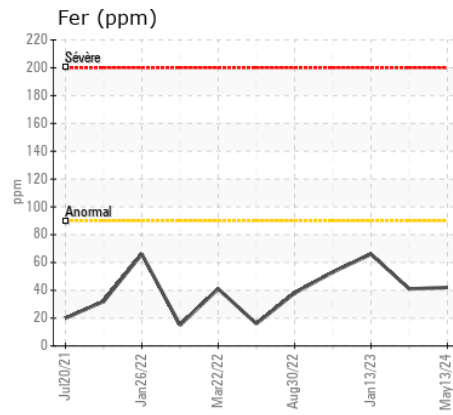
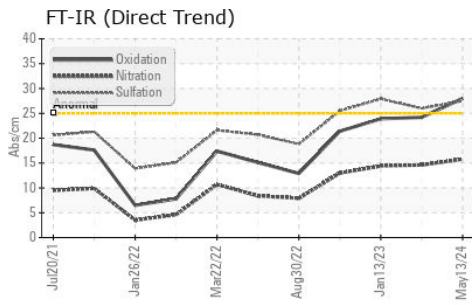
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	<b>3</b>	4	6
Potassium	ppm	ASTM D5185(m)	>20	<b>14</b>	13	24
Essence		WC Method	>3.0	<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*	>6	<b>0.7</b>	0.8	0.9
Nitration	Abs/cm	ASTM D7624*	>20	<b>15.8</b>	14.6	14.4
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>27.5</b>	26.0	27.9
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>1</b>	1	3
Baryum	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	1	<b>63</b>	60	62
Manganèse	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	<1
Magnésium	ppm	ASTM D5185(m)	10	<b>989</b>	959	968
Calcium	ppm	ASTM D5185(m)	2942	<b>1116</b>	1066	1163
Phosphore	ppm	ASTM D5185(m)	1102	<b>1019</b>	1012	1091
Zinc	ppm	ASTM D5185(m)	1351	<b>1229</b>	1168	1244
Soufre	ppm	ASTM D5185(m)	3903	<b>2345</b>	2510	2479
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>28.0</b>	24.2	23.9
Visc 40°C	cSt	ASTM D7279(m)	74.0	<b>80.9</b>	79.9	76.8
Visc 100°C	cSt	ASTM D7279(m)	11.4	<b>11.9</b>	11.8	11.4
Indice de viscosité (VI)	Scale	ASTM D2270*	146	<b>141</b>	141	140



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**N° d'échantillon** : PC0084256

**N° de laboratoire** : 02641622

**Numéro unique** : 5799161

**Analyse** : MOB 1 ( Additional Tests: KV40, VI, Visual )

**Reçu** : 13 Jun 2024

**Tested** : 13 Jun 2024

**Diagnostiqué** : 13 Jun 2024 - Kevin Marson

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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