



Identité de la machine

**INTERNATIONAL 3864**

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>PC0082579</b>	PC0066399	PC0059790
Date d'échant.		Client Info		<b>31 Oct 2023</b>	25 May 2023	17 May 2022
Âge d la Machine	kms	Client Info		<b>355846</b>	335675	181498
Âge de l'huile	kms	Client Info		<b>20171</b>	26902	47649
Âge du filtre	kms	Client Info		<b>20171</b>	26902	47649
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>11</b>	11	24
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	0	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	6
Plomb	ppm	ASTM D5185(m)	>40	<b>2</b>	2	4
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

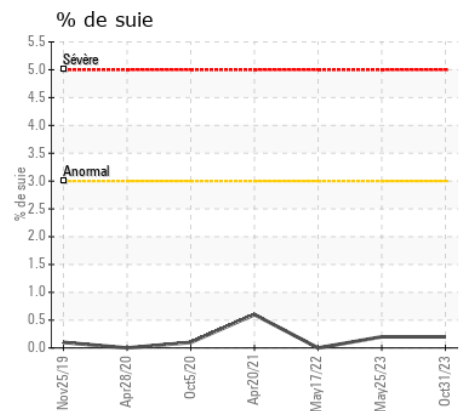
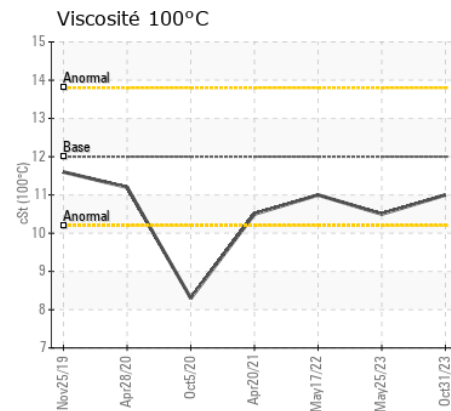
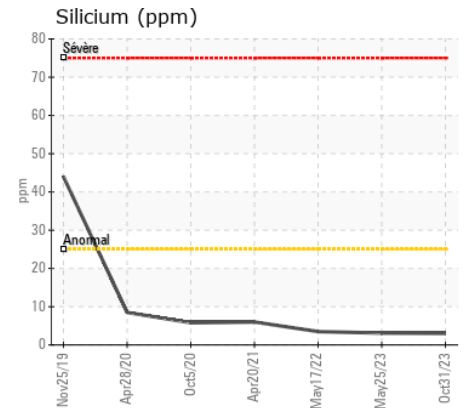
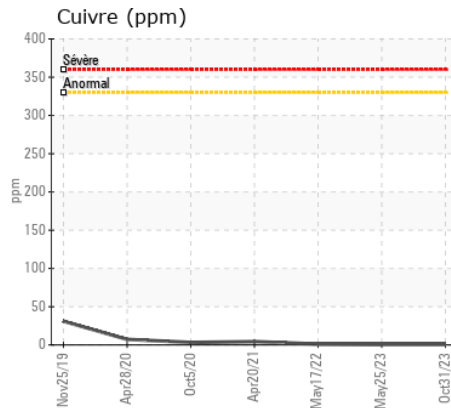
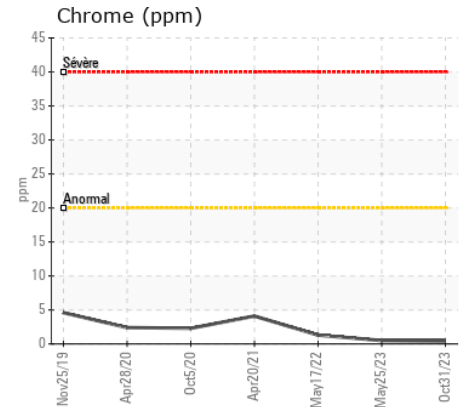
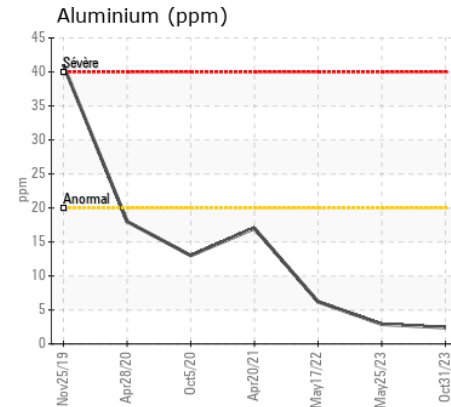
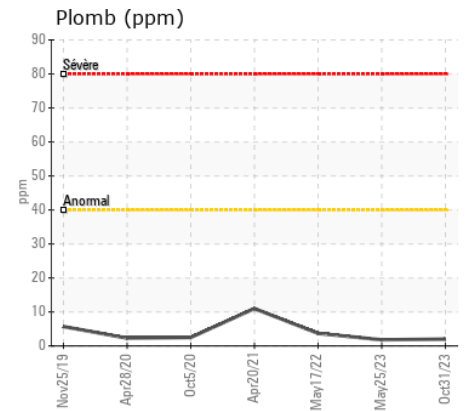
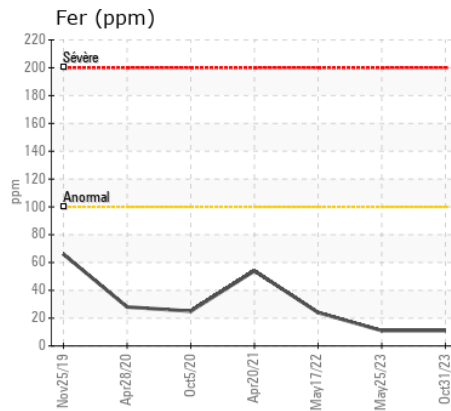
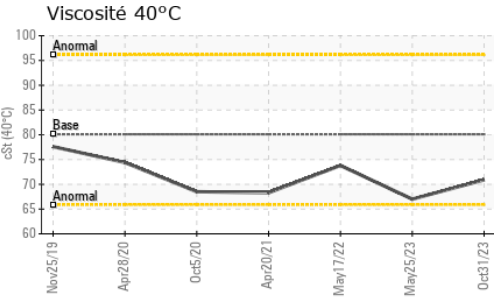
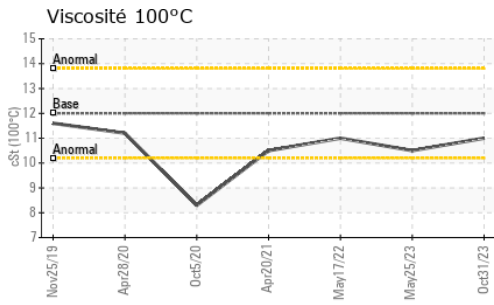
Il n'y a aucun indice de contamination dans l'huile.

Silicium	ppm	ASTM D5185(m)	>25	<b>3</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	9
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>0.2</b>	0.2	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.3</b>	8.3	5.1
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.2</b>	19.3	16.1
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)	2	<b>3</b>	2	6
Baryum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>60</b>	58	61
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>959</b>	947	980
Calcium	ppm	ASTM D5185(m)	1050	<b>1054</b>	1105	1132
Phosphore	ppm	ASTM D5185(m)	995	<b>1007</b>	1078	1014
Zinc	ppm	ASTM D5185(m)	1180	<b>1204</b>	1191	1232
Soufre	ppm	ASTM D5185(m)	2600	<b>2547</b>	2595	2571
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.9</b>	15.5	7.8
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>70.9</b>	67.0	73.8
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.0</b>	10.5	11.0
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>145</b>	144	138



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0082579  
**N° de laboratoire** : 02594907  
**Numéro unique** : 5671986  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI )

**Reçu** : 08 Nov 2023  
**Diagnostiqué** : 08 Nov 2023  
**Diagnostiqueur** : Wes Davis

**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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