



# RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	ANORMAL
ÉTAT DU FLUIDE	ATTENTION

Secteur  
**{UNASSIGNED}**

Identité de la machine

**413**

Composant

**Moteur diesel**

Fluid

**PETRO CANADA DURON SHP 10W30 (38 LTR)**

## RECOMMENDATION

Check for low coolant level. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0879661</b>	WC0691921	---
Date d'échant.		Client Info		<b>23 Jan 2024</b>	05 Jul 2022	---
Âge d la Machine	kms	Client Info		<b>560786</b>	508871	---
Âge de l'huile	kms	Client Info		<b>17214</b>	0	---
Âge du filtre	kms	Client Info		<b>17214</b>	0	---
Huile changée		Client Info		<b>Changed</b>	Changed	---
Filtre changé		Client Info		<b>Changed</b>	Changed	---
Statut de l'échant.				<b>ABNORMAL</b>	NORMAL	---

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>200	<b>26</b>	39	---
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	---
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	---
Aluminium	ppm	ASTM D5185(m)	>30	<b>7</b>	8	---
Plomb	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	---
Cuivre	ppm	ASTM D5185(m)	>30	<b>4</b>	10	---
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## CONTAMINATION

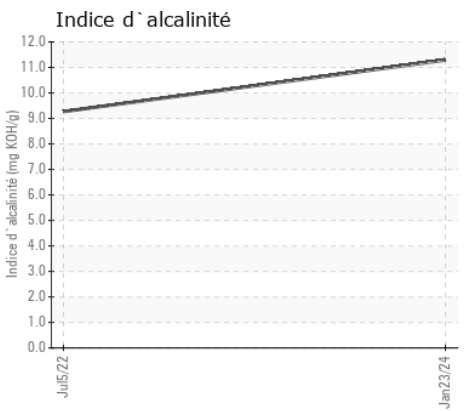
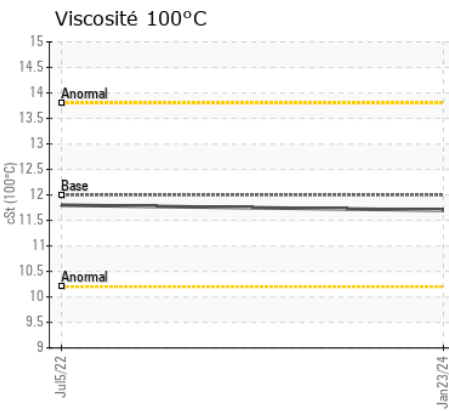
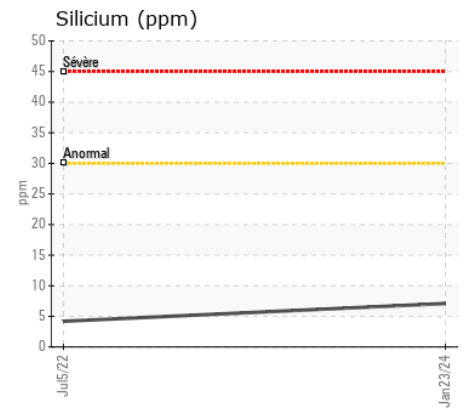
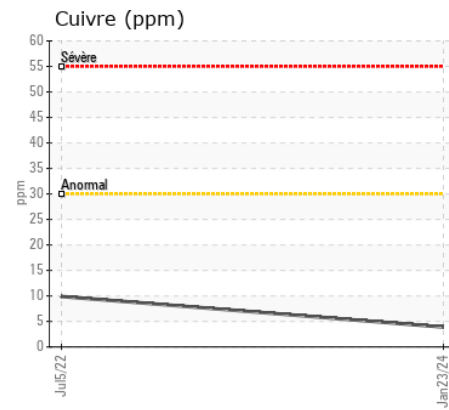
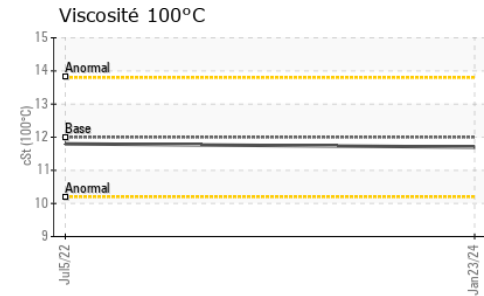
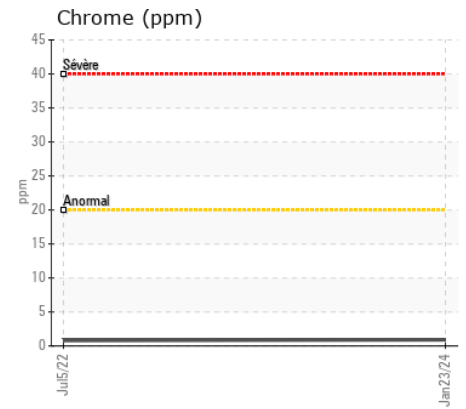
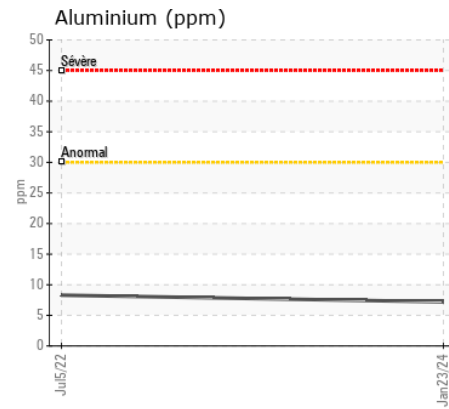
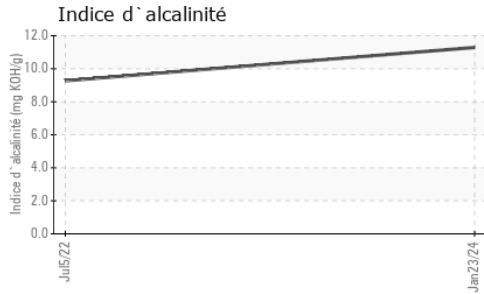
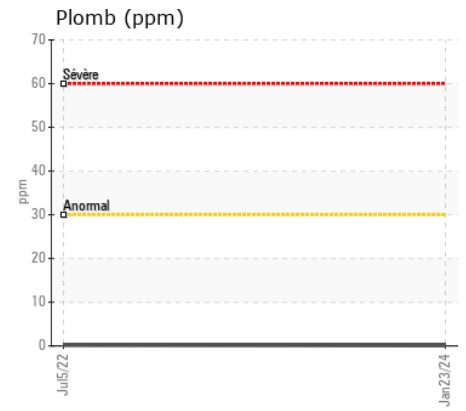
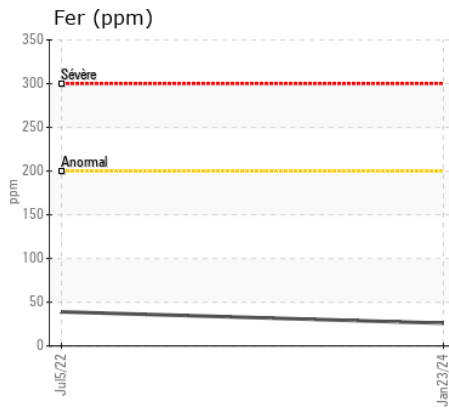
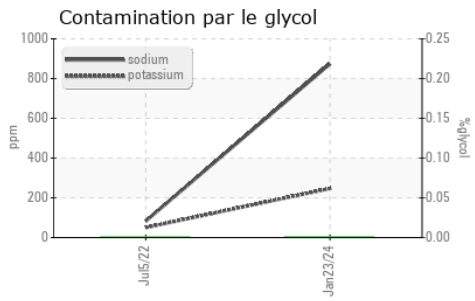
Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative.

Silicium	ppm	ASTM D5185(m)	>30	<b>7</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>▲ 247</b>	50	---
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	---
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol	%	ASTM D7922*		<b>0.0</b>	0.0	---
% de suie	%	ASTM D7844*	>3	<b>0.6</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>11.3</b>	9.9	---
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>22.0</b>	22.2	---
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

## ÉTAT DU FLUIDE

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service (see recommendation).

Sodium	ppm	ASTM D5185(m)		<b>● 874</b>	83	---
Bore	ppm	ASTM D5185(m)	2	<b>10</b>	13	---
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdène	ppm	ASTM D5185(m)	50	<b>105</b>	19	---
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Magnésium	ppm	ASTM D5185(m)	950	<b>842</b>	290	---
Calcium	ppm	ASTM D5185(m)	1050	<b>1163</b>	2022	---
Phosphore	ppm	ASTM D5185(m)	995	<b>1004</b>	750	---
Zinc	ppm	ASTM D5185(m)	1180	<b>1159</b>	836	---
Soufre	ppm	ASTM D5185(m)	2600	<b>2754</b>	2776	---
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.5</b>	22.9	---
Indice d'alcalinité	mg KOH/g	ASTM D2896*		<b>11.29</b>	9.27	---
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.7</b>	11.8	---



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0879661      **Reçu** : 12 Mar 2024  
**N° de laboratoire** : 02621296      **Tested** : 13 Mar 2024  
**Numéro unique** : 5746415      **Diagnostiqué** : 13 Mar 2024 - Kevin Marson  
**Analyse** : MOB 2 ( Additional Tests: Glycol )

**Moncton - Transport Laberge**  
 180 Edinburg Drive, Suite 1A  
 Moncton, NB  
 CA E1E 2K7  
 Contact: Service Manager

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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