



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

**421**

Composant

**Moteur diesel**

Fluid

**PETRO CANADA DURON SHP 10W30 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0909059</b>	WC0866116	WC0729560
Date d'échant.		Client Info		<b>09 Feb 2024</b>	19 Oct 2023	16 Aug 2022
Âge d la Machine	kms	Client Info		<b>519034</b>	516211	487866
Âge de l'huile	kms	Client Info		<b>2823</b>	25147	0
Âge du filtre	kms	Client Info		<b>2823</b>	25147	0
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**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>80	<b>20</b>	29	15
Chrome	ppm	ASTM D5185(m)	>5	<b>1</b>	3	2
Nickel	ppm	ASTM D5185(m)	>2	<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>	<1	0
Aluminium	ppm	ASTM D5185(m)	>30	<b>8</b>	12	10
Plomb	ppm	ASTM D5185(m)	>30	<b>0</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>150	<b>2</b>	4	7
Étain	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

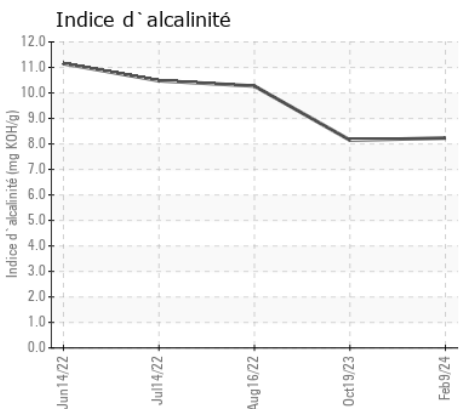
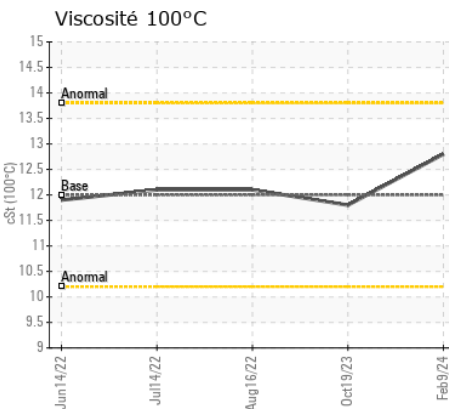
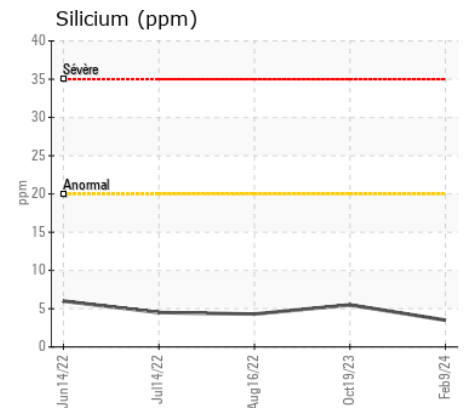
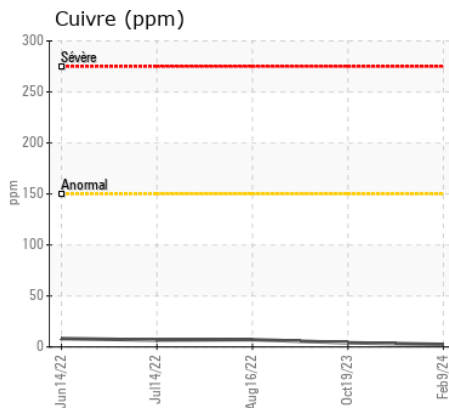
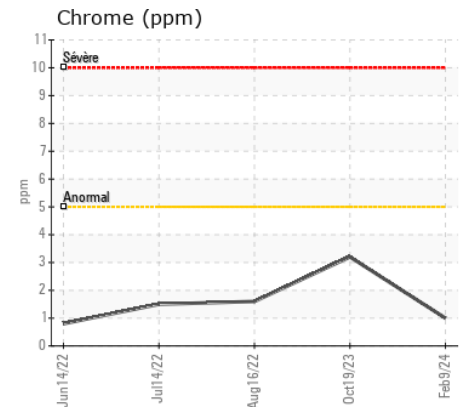
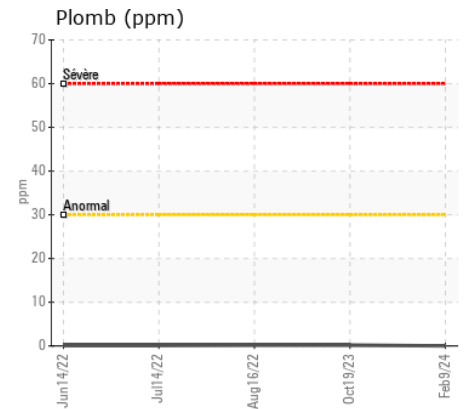
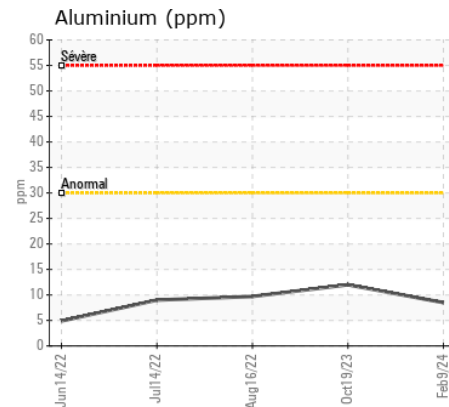
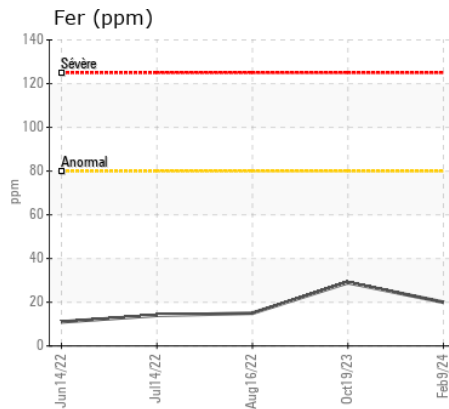
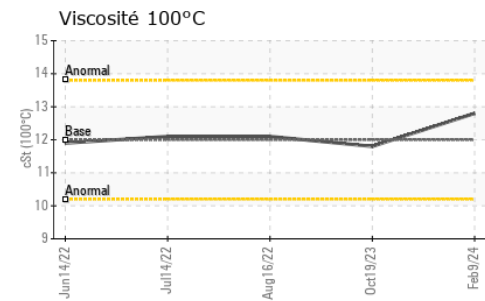
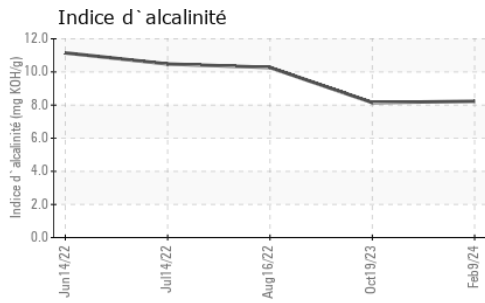
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>20	<b>4</b>	6	4
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	3
Essence		WC Method	>5	<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>0.9</b>	1.1	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>14.3</b>	8.4	7.4
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>26.9</b>	20.9	20.1
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**ÉTAT DU FLUIDE**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	5	8
Bore	ppm	ASTM D5185(m)	2	<b>6</b>	7	42
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	0
Molybdène	ppm	ASTM D5185(m)	50	<b>63</b>	59	58
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>1029</b>	949	1065
Calcium	ppm	ASTM D5185(m)	1050	<b>1110</b>	1084	926
Phosphore	ppm	ASTM D5185(m)	995	<b>1073</b>	944	1104
Zinc	ppm	ASTM D5185(m)	1180	<b>1253</b>	1212	1188
Soufre	ppm	ASTM D5185(m)	2600	<b>2650</b>	2473	2852
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>25.0</b>	15.2	16.5
Indice d'alcalinité	mg KOH/g	ASTM D2896*		<b>8.23</b>	8.15	10.27
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>12.8</b>	11.8	12.1



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0909059  
**N° de laboratoire** : 02622216  
**Numéro unique** : 5747335  
**Analyse** : MOB 2  
**Reçu** : 15 Mar 2024  
**Tested** : 15 Mar 2024  
**Diagnostiqué** : 17 Mar 2024 - Kevin Marson

**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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