



# RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

**51966**

Composant

**Moteur diesel**

Fluid

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

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0889973</b>	WC0857924	WC0836031
Date d'échant.		Client Info		<b>16 Dec 2023</b>	12 Oct 2023	23 Aug 2023
Âge d la Machine	mls	Client Info		<b>89455</b>	58219	30620
Âge de l'huile	mls	Client Info		<b>31235</b>	27599	30620
Âge du filtre	mls	Client Info		<b>31235</b>	27599	30620
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)	>100	<b>22</b>	21	49
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;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	0
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>9</b>	12	30
Plomb	ppm	ASTM D5185(m)	>40	<b>2</b>	2	4
Cuivre	ppm	ASTM D5185(m)	>330	<b>2</b>	4	16
Étain	ppm	ASTM D5185(m)	>15	<b>1</b>	1	3
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

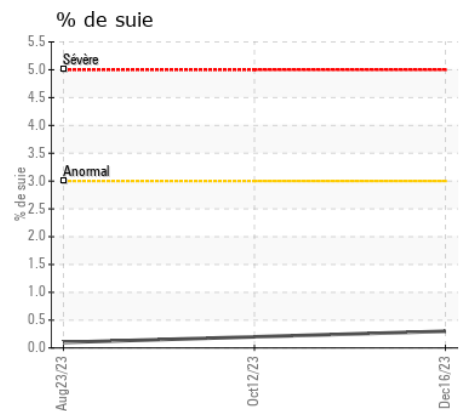
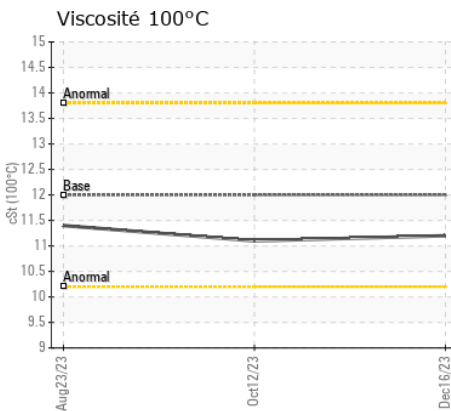
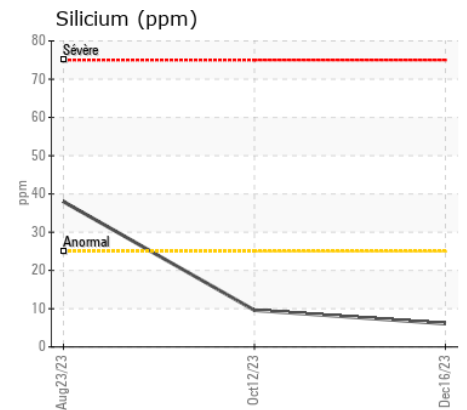
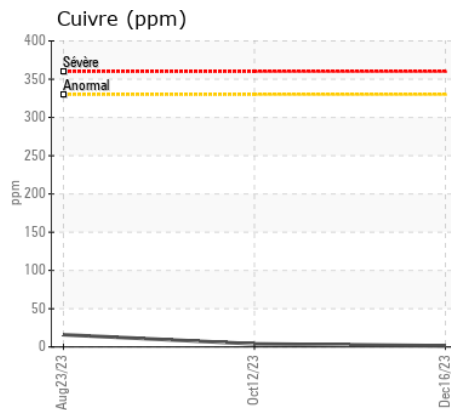
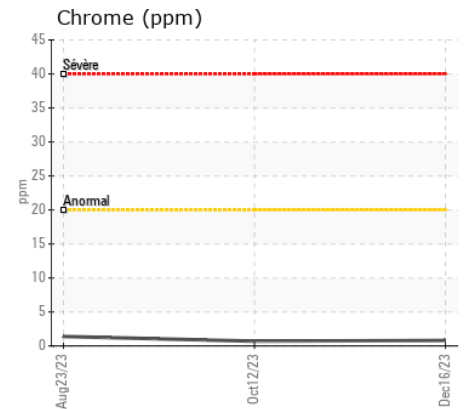
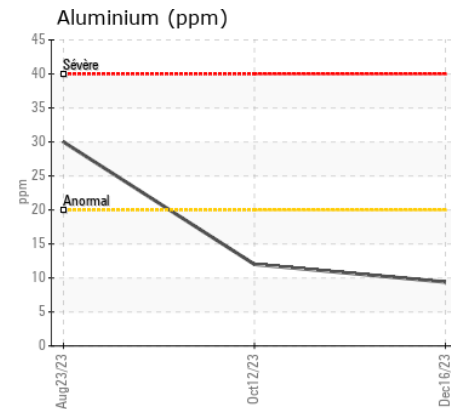
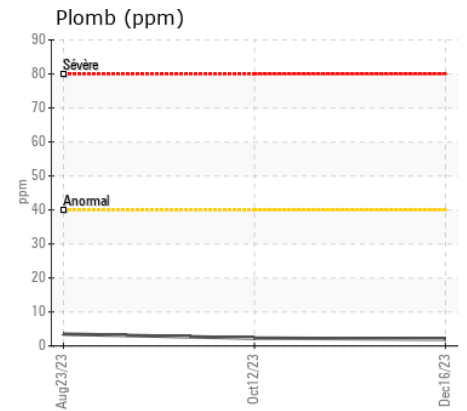
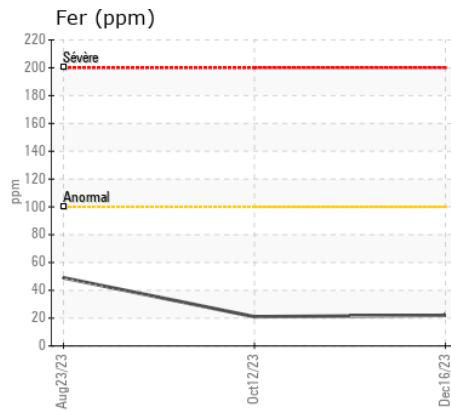
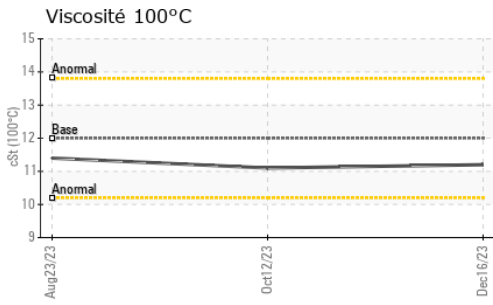
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>6</b>	10	38
Potassium	ppm	ASTM D5185(m)	>20	<b>19</b>	30	86
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>0.3</b>	0.2	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.5</b>	7.9	8.3
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.2</b>	20.4	21.3
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>1</b>	2	5
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	4	43
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	5
Molybdène	ppm	ASTM D5185(m)	50	<b>59</b>	58	64
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	4
Magnésium	ppm	ASTM D5185(m)	950	<b>955</b>	902	465
Calcium	ppm	ASTM D5185(m)	1050	<b>1231</b>	1136	1739
Phosphore	ppm	ASTM D5185(m)	995	<b>1006</b>	976	1020
Zinc	ppm	ASTM D5185(m)	1180	<b>1197</b>	1176	1180
Soufre	ppm	ASTM D5185(m)	2600	<b>2818</b>	2415	2455
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>15.6</b>	15.9	17.6
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.2</b>	11.1	11.4



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0889973  
**N° de laboratoire** : 02610222  
**Numéro unique** : 5711308  
**Analyse** : MOB 1

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Reçu : 22 Jan 2024  
 Diagnostiqué : 23 Jan 2024  
 Diagnostiqueur : Wes Davis

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.