



# RAPPORT D'ANALYSE D'HUILE

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

Secteur

**52000 series**

Identité de la machine

**INTERNATIONAL 52846**

Composant

**Moteur diesel**

Fluide

**PETRO CANADA DURON SHP 10W30 (40 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0877553</b>	WC0836026	WC0787327
Date d'échant.		Client Info		<b>30 Oct 2023</b>	18 Aug 2023	06 Mar 2023
Âge d la Machine	mls	Client Info		<b>283464</b>	262121	206830
Âge de l'huile	mls	Client Info		<b>0</b>	25120	26937
Âge du filtre	mls	Client Info		<b>0</b>	25120	26937
Huile changée		Client Info		<b>N/A</b>	Changed	Changed
Filtre changé		Client Info		<b>N/A</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>27</b>	11	24
Chrome	ppm	ASTM D5185(m)	>20	<b>3</b>	<1	2
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>4</b>	5	5
Plomb	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>2</b>	1	4
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

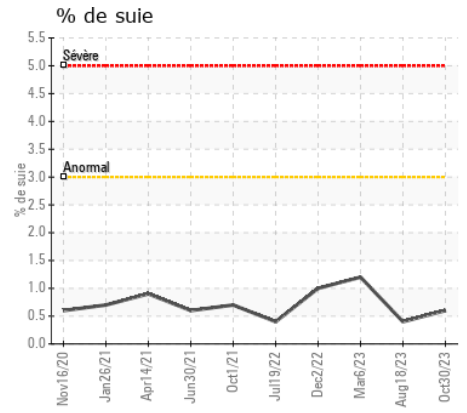
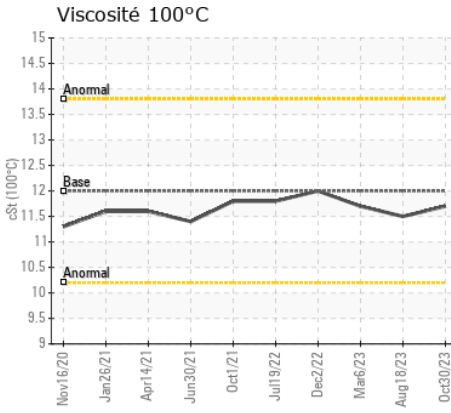
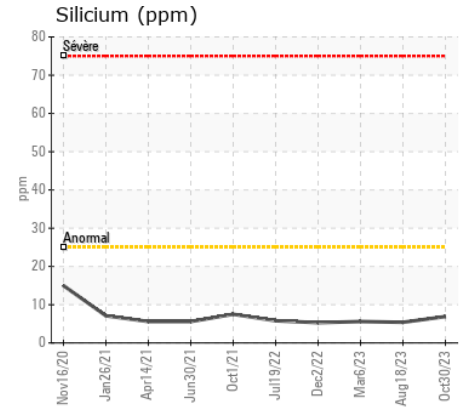
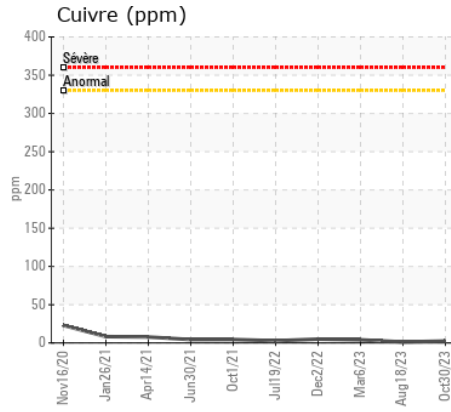
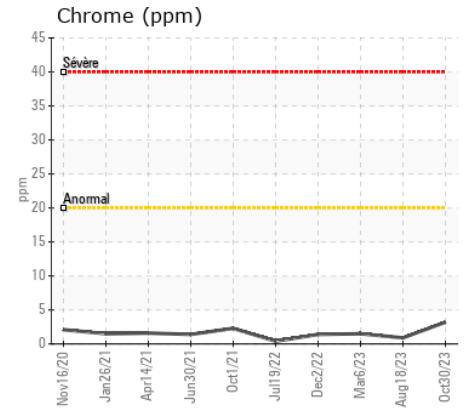
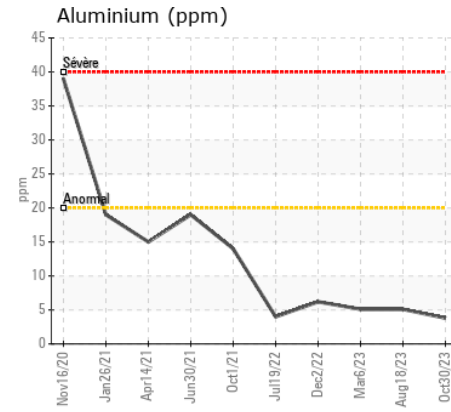
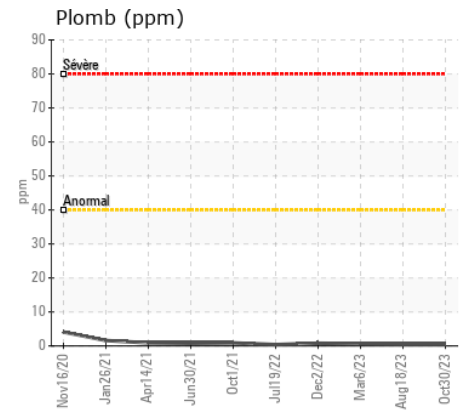
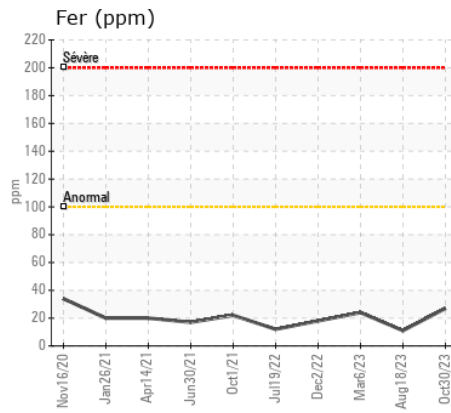
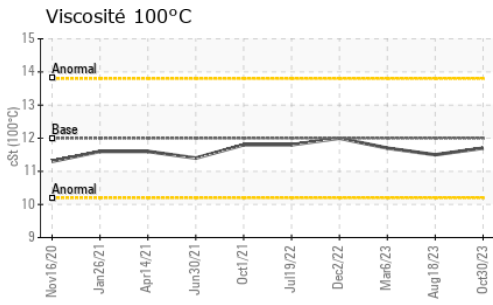
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>7</b>	5	6
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	11	5
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>0.6</b>	0.4	1.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.7</b>	8.8	9.4
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.6</b>	20.1	21.5
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>3</b>	2	2
Bore	ppm	ASTM D5185(m)	2	<b>9</b>	1	3
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>61</b>	60	62
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>896</b>	1001	987
Calcium	ppm	ASTM D5185(m)	1050	<b>1184</b>	1101	1236
Phosphore	ppm	ASTM D5185(m)	995	<b>988</b>	1098	1151
Zinc	ppm	ASTM D5185(m)	1180	<b>1176</b>	1229	1264
Soufre	ppm	ASTM D5185(m)	2600	<b>2580</b>	2580	2729
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.2</b>	15.8	15.8
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.7</b>	11.5	11.7



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0877553  
**N° de laboratoire** : 02598744  
**Numéro unique** : 5683824  
**Analyse** : MOB 1

**MANITOU LIN TRANSPORT**

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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.