



# RAPPORT D'ANALYSE D'HUILE

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

Identité de la machine

**INTERNATIONAL 52936**

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>WC0929463</b>	WC0889978	WC0877577
Date d'échant.		Client Info		<b>28 Apr 2024</b>	29 Feb 2024	27 Nov 2023
Âge d la Machine	mls	Client Info		<b>189406</b>	161672	25010
Âge de l'huile	mls	Client Info		<b>28003</b>	34976	25010
Âge du filtre	mls	Client Info		<b>28003</b>	34976	25010
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)	>90	<b>14</b>	20	15
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Argent	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>4</b>	5	7
Plomb	ppm	ASTM D5185(m)	>40	<b>5</b>	6	4
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	1	1
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

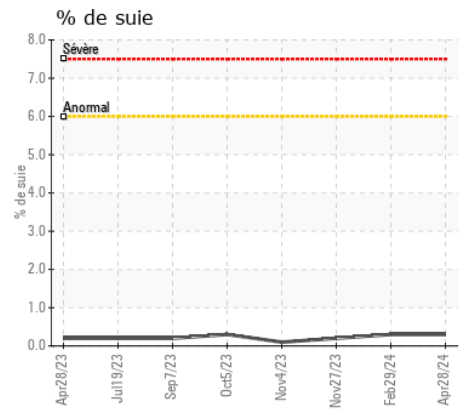
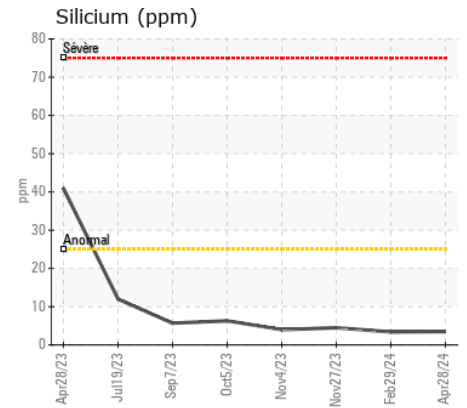
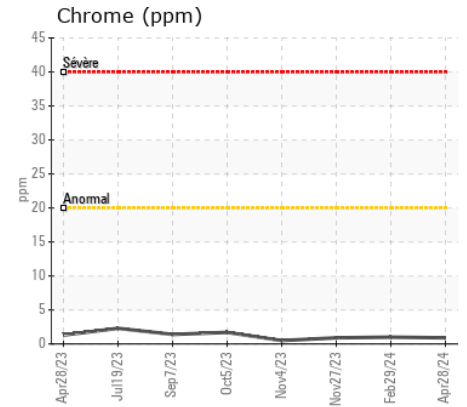
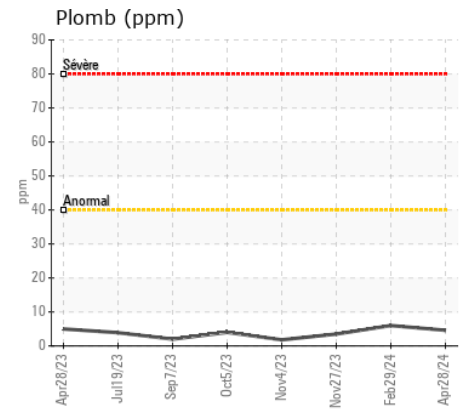
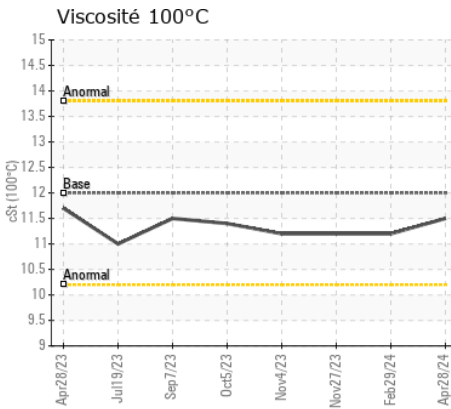
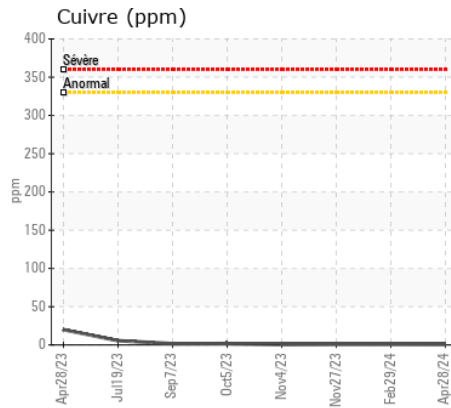
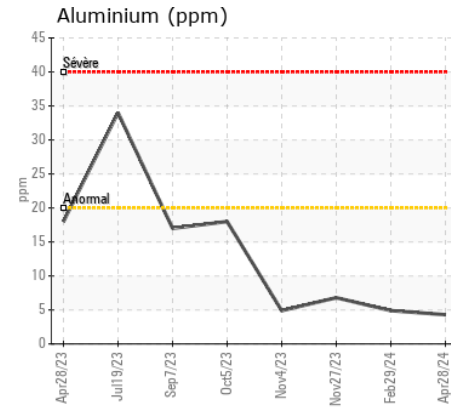
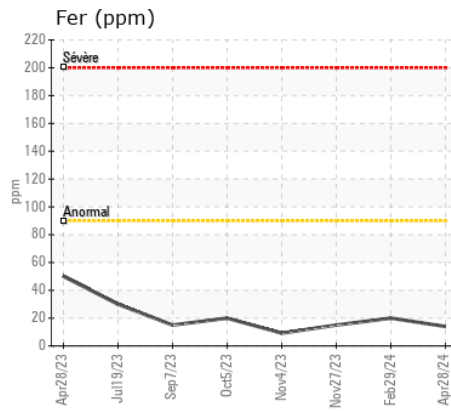
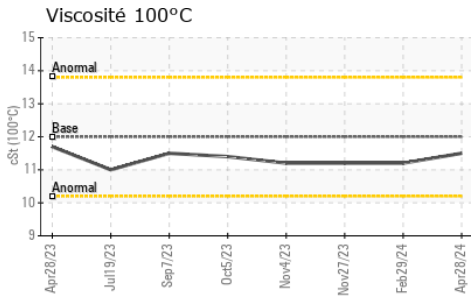
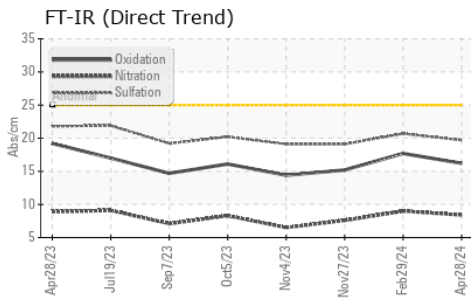
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	5	14
Essence		WC Method	>3.0	<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*	>6	<b>0.3</b>	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.4</b>	9.0	7.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.7</b>	20.7	19.1
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	2
Bore	ppm	ASTM D5185(m)	2	<b>2</b>	1	2
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdène	ppm	ASTM D5185(m)	50	<b>58</b>	59	58
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Magnésium	ppm	ASTM D5185(m)	950	<b>927</b>	984	959
Calcium	ppm	ASTM D5185(m)	1050	<b>1029</b>	1156	1247
Phosphore	ppm	ASTM D5185(m)	995	<b>960</b>	975	988
Zinc	ppm	ASTM D5185(m)	1180	<b>1162</b>	1202	1221
Soufre	ppm	ASTM D5185(m)	2600	<b>2307</b>	2392	2678
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.2</b>	17.7	15.2
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>11.5</b>	11.2	11.2



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**N° d'échantillon** : WC0929463

**N° de laboratoire** : 02642858

**Numéro unique** : 5800397

**Analyse** : MOB 1

**Reçu** : 19 Jun 2024

**Tested** : 19 Jun 2024

**Diagnostiqué** : 19 Jun 2024 - Wes Davis

**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.