



# RAPPORT D'ANALYSE D'HUILE

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

Secteur

## MICHAUDVILLE

Identité de la machine

### 1597

Composant

### Moteur diesel

Fluid

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

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0083763</b>	PC0088534	PC0082467
Date d'échant.		Client Info		<b>14 Apr 2024</b>	03 Apr 2024	26 Nov 2023
Âge d la Machine	hrs	Client Info		<b>24204</b>	24169	23703
Âge de l'huile	hrs	Client Info		<b>0</b>	0	0
Âge du filtre	hrs	Client Info		<b>0</b>	0	0
Huile changée		Client Info		<b>N/A</b>	N/A	N/A
Filtre changé		Client Info		<b>N/A</b>	N/A	N/A
Statut de l'échant.				<b>NORMAL</b>	ABNORMAL	ABNORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>6</b>	23	58
Chrome	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>1</b>	3	4
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	4	25
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	3
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	---	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	---	---

## CONTAMINATION

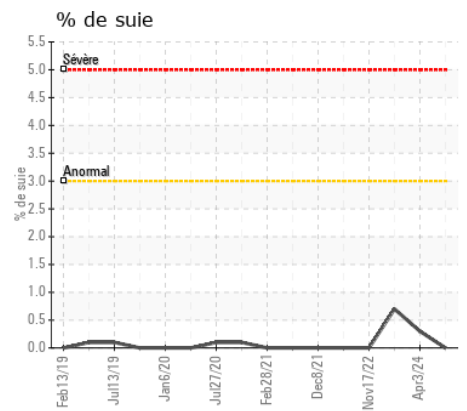
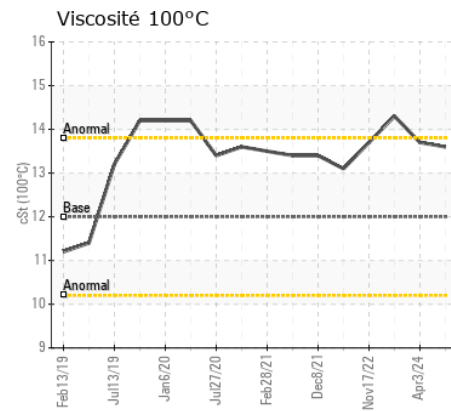
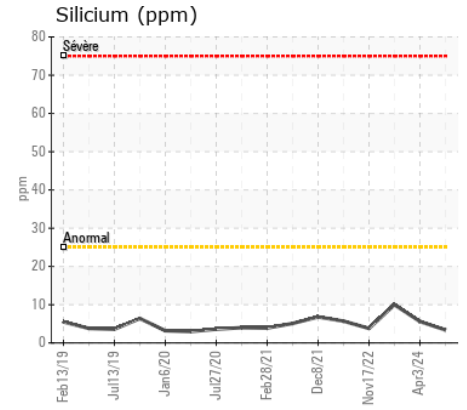
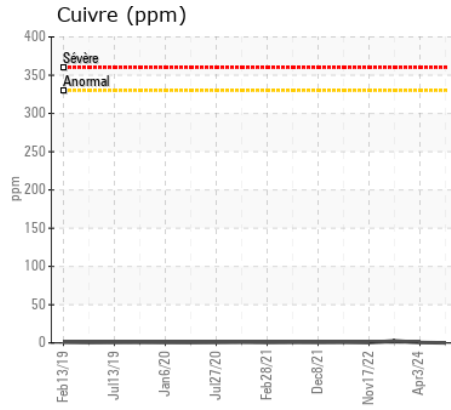
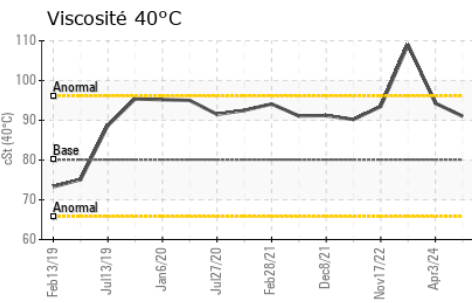
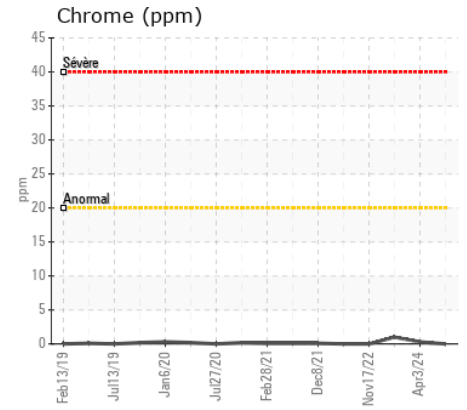
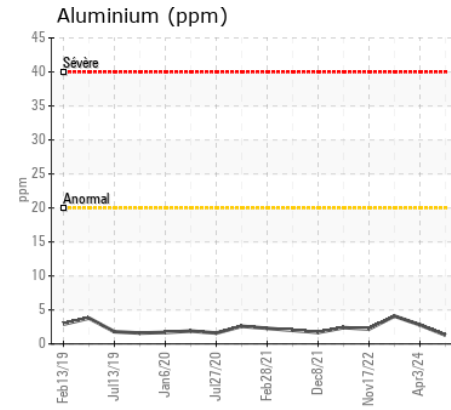
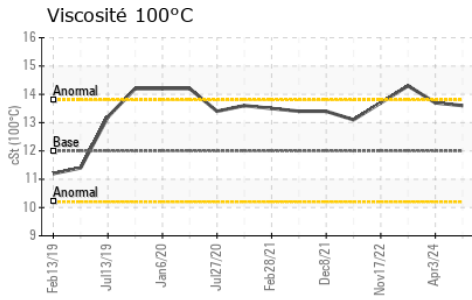
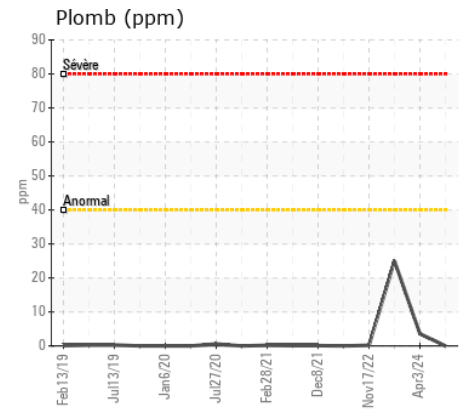
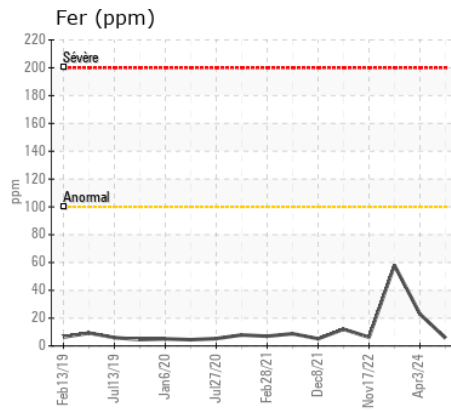
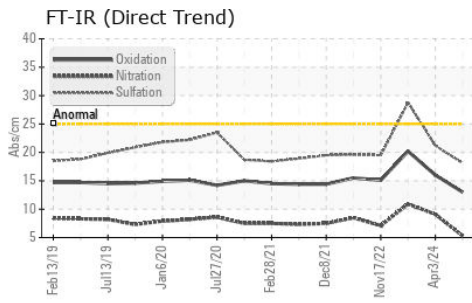
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>3</b>	6	10
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	▲ 11	15
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>	▲ 0.037	0.0
% de suie	%	ASTM D7844*	>3	<b>0</b>	0.3	0.7
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.3</b>	9.1	10.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.1</b>	21.2	28.8
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	---
Débris	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	---
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
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>31</b>	● 94	33
Bore	ppm	ASTM D5185(m)	2	<b>1</b>	2	11
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdène	ppm	ASTM D5185(m)	50	<b>53</b>	61	32
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>926</b>	853	266
Calcium	ppm	ASTM D5185(m)	1050	<b>1071</b>	1285	2293
Phosphore	ppm	ASTM D5185(m)	995	<b>1001</b>	1007	1022
Zinc	ppm	ASTM D5185(m)	1180	<b>1173</b>	1196	1260
Soufre	ppm	ASTM D5185(m)	2600	<b>2599</b>	2583	2937
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>13.0</b>	16.0	20.2
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>91.0</b>	94.3	▲ 109
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>13.6</b>	13.7	▲ 14.3
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>151</b>	147	133



ISO 17025:2017  
Accredited  
Laboratory

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

**N° d'échantillon** : PC0083763

**N° de laboratoire** : 02628740

**Numéro unique** : 5761872

**Analyse** : MOB 1 ( Additional Tests: KV40, VI, Visual )

**Reçu** : 15 Apr 2024

**Tested** : 16 Apr 2024

**Diagnostiqué** : 16 Apr 2024 - Kevin Marson

**LES ENTREPRISES MICHAUVILLE INC.**

270 RUE BRUNET

MONT ST-HILAIRE, QC

CA J3H 0M6

Contact: Martin Trudel

mtrudel@michaudville.com

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.

T:

F: