



# 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

**4525**

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>PC0083495</b>	PC0077743	PC0060241
Date d'échant.		Client Info		<b>12 Feb 2024</b>	26 Dec 2023	12 Apr 2022
Âge d la Machine	hrs	Client Info		<b>6989</b>	6936	6572
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>	MARGINAL	NORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>17</b>	30	31
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>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	1
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	1	2
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

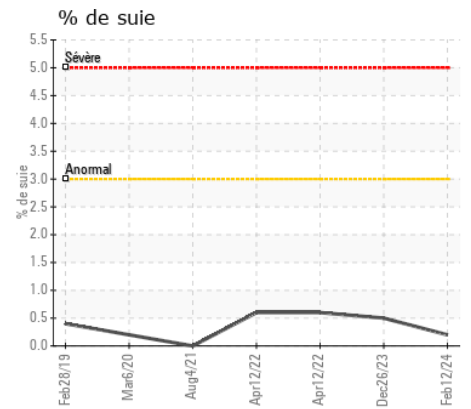
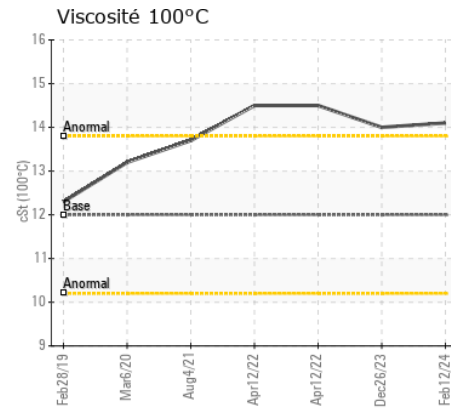
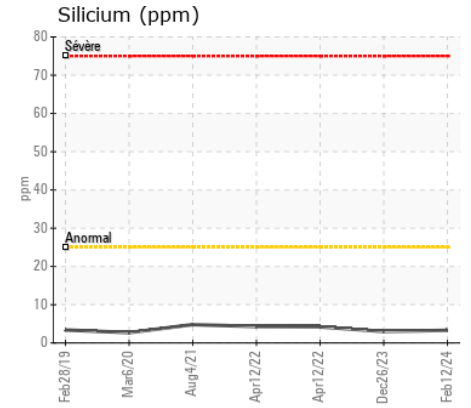
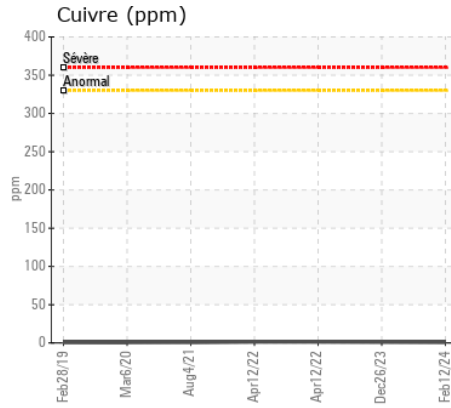
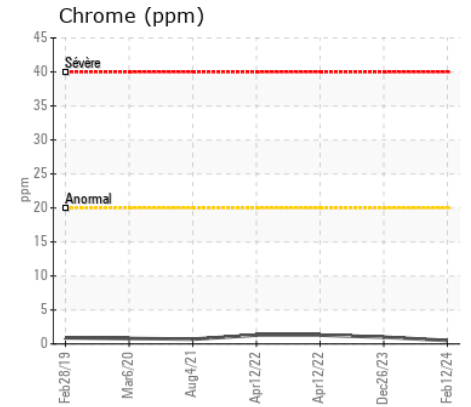
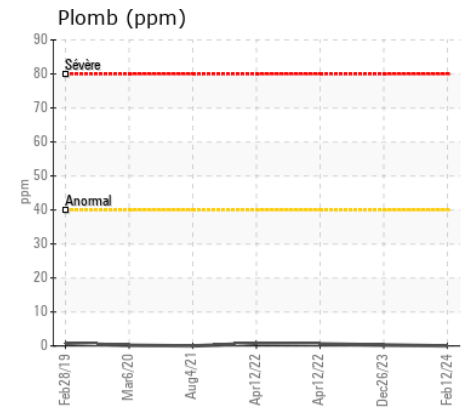
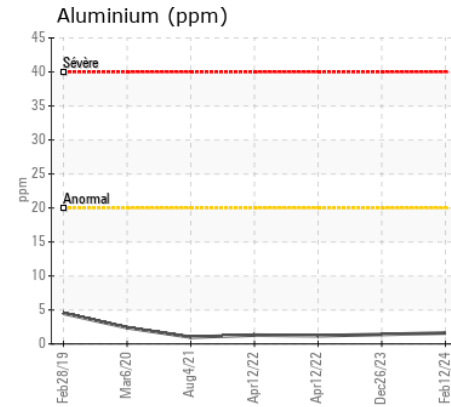
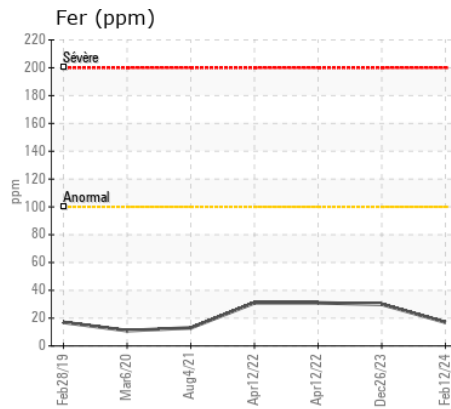
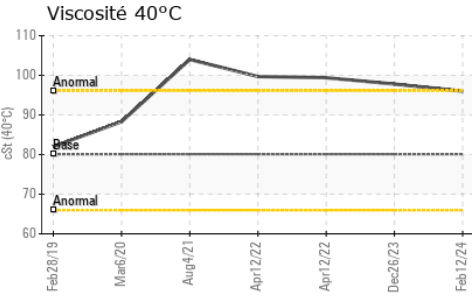
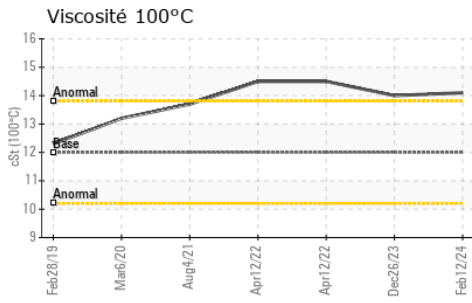
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>3</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	1
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>	0.0	NEG
% de suie	%	ASTM D7844*	>3	<b>0.2</b>	0.5	0.6
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.1</b>	6.3	6.2
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.2</b>	18.6	20.8
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	▲ .2%	NEG

## ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	4	3
Bore	ppm	ASTM D5185(m)	2	<b>3</b>	4	13
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>54</b>	55	53
Manganèse	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>894</b>	916	911
Calcium	ppm	ASTM D5185(m)	1050	<b>1068</b>	1114	1179
Phosphore	ppm	ASTM D5185(m)	995	<b>982</b>	985	1061
Zinc	ppm	ASTM D5185(m)	1180	<b>1132</b>	1167	1218
Soufre	ppm	ASTM D5185(m)	2600	<b>2677</b>	2645	2649
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>12.9</b>	13.7	13.7
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>96.0</b>	97.8	99.4
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>14.1</b>	14.0	14.5
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>150</b>	145	150



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : PC0083495  
**N° de laboratoire** : 02615311  
**Numéro unique** : 5724406  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI )

**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.

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