



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

Secteur  
**MICHAUDVILLE**  
Identité de la machine  
**5513**

Composant  
**Moteur diesel**

Fluide  
**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>PC0078080</b>	PC0066441	PC0053162
Date d'échant.		Client Info		<b>13 Sep 2023</b>	24 Oct 2022	05 Oct 2021
Âge d la Machine	hrs	Client Info		<b>11341</b>	10958	10527
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>	NORMAL	ABNORMAL

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>23</b>	23	16
Chrome	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>3</b>	3	3
Plomb	ppm	ASTM D5185(m)	>40	<b>18</b>	22	16
Cuivre	ppm	ASTM D5185(m)	>330	<b>3</b>	3	1
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	1	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>VLITE</b>	---	NONE
Bronze	scalar	Visual*	NONE	<b>NONE</b>	---	NONE

**CONTAMINATION**

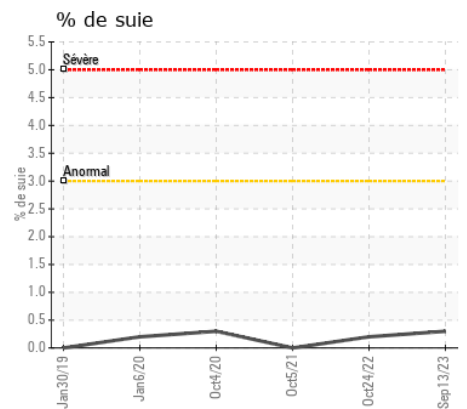
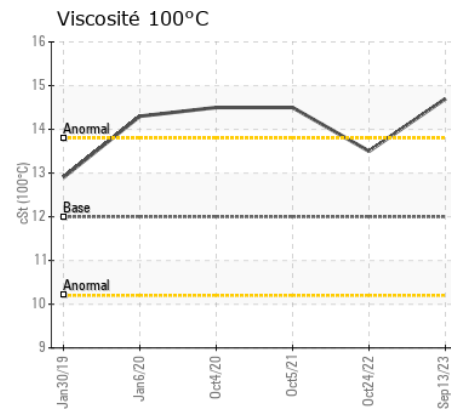
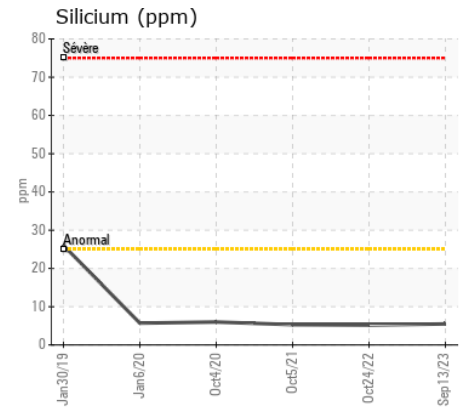
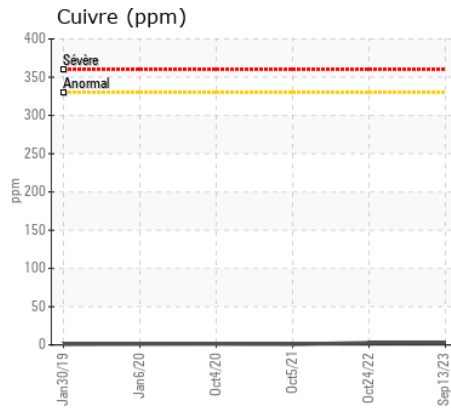
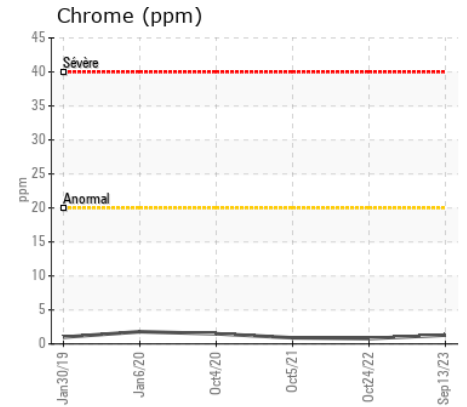
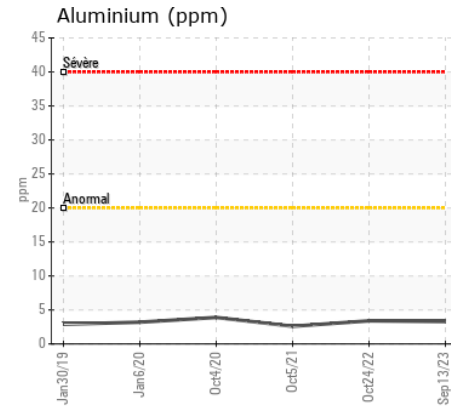
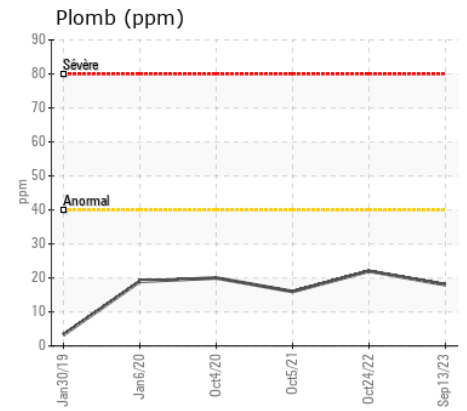
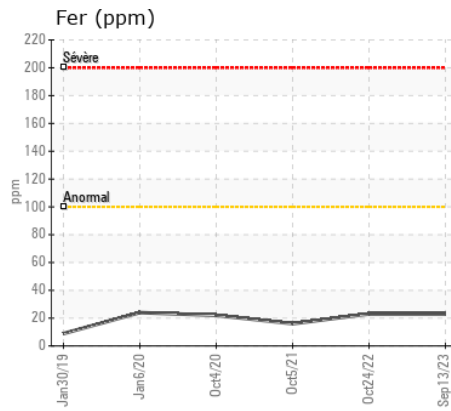
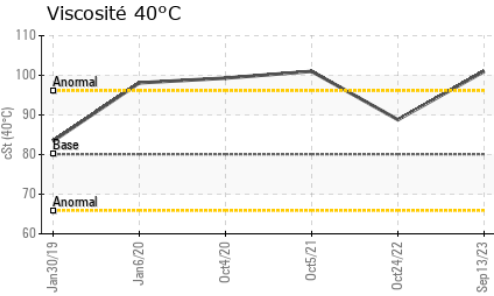
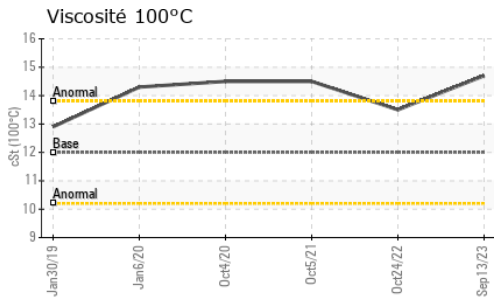
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>6</b>	5	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Essence		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol		WC Method		<b>NEG</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.3</b>	0.2	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.8</b>	8.6	0.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>22.5</b>	28.4	2.4
Limon	scalar	Visual*	NONE	<b>NONE</b>	---	NONE
Débris	scalar	Visual*	NONE	<b>NONE</b>	---	VLITE
Saleté	scalar	Visual*	NONE	<b>NONE</b>	---	NONE
Apparence	scalar	Visual*	NORML	<b>NORML</b>	---	NORML
Odeur	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**ÉTAT DU FLUIDE**

Viscosity of sample indicates oil is within SAE 15W40 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
Bore	ppm	ASTM D5185(m)	2	<b>1</b>	2	4
Baryum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	50	<b>66</b>	58	66
Manganèse	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	950	<b>1122</b>	950	1164
Calcium	ppm	ASTM D5185(m)	1050	<b>1339</b>	1679	1217
Phosphore	ppm	ASTM D5185(m)	995	<b>1179</b>	1182	1150
Zinc	ppm	ASTM D5185(m)	1180	<b>1375</b>	1361	1404
Soufre	ppm	ASTM D5185(m)	2600	<b>2603</b>	2849	2673
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>17.8</b>	22.7	0.9
Visc 40°C	cSt	ASTM D7279(m)	80.1	<b>101</b>	88.8	▲ 101
Visc 100°C	cSt	ASTM D7279(m)	12.00	<b>14.7</b>	13.5	▲ 14.5
Indice de viscosité (VI)	Scale	ASTM D2270*	144	<b>151</b>	153	148



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**  
**N° d'échantillon** : PC0078080 **Reçu** : 14 Sep 2023  
**N° de laboratoire** : 02582436 **Diagnostiqué** : 15 Sep 2023  
**Numéro unique** : 5643501 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI, Visual )

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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