



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

Identité de la machine

**5050**

Composant

**Moteur diesel**

Fluid

**DIESEL ENGINE OIL SAE 5W40 (--- 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>PC0083720</b>	PC0077403	PC0077641
Date d'échant.		Client Info		<b>15 May 2024</b>	14 Nov 2023	25 Jul 2023
Âge d la Machine	hrs	Client Info		<b>2914</b>	2460	1956
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	NORMAL

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>22</b>	11	12
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>2</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	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>3</b>	2	6
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>	NONE	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

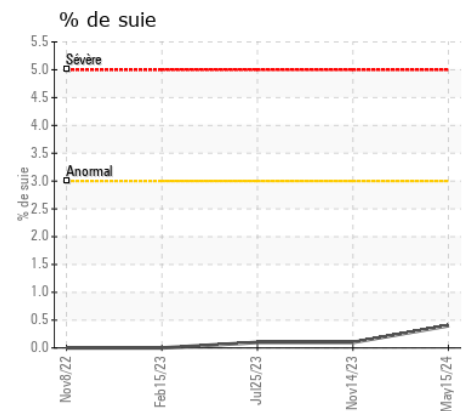
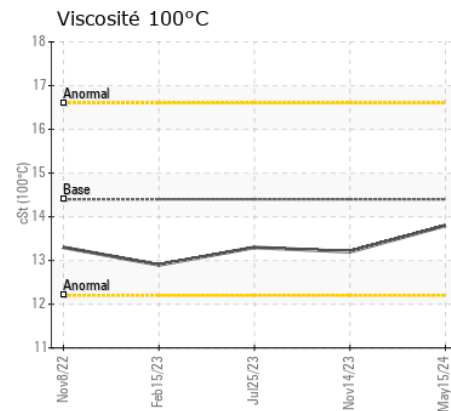
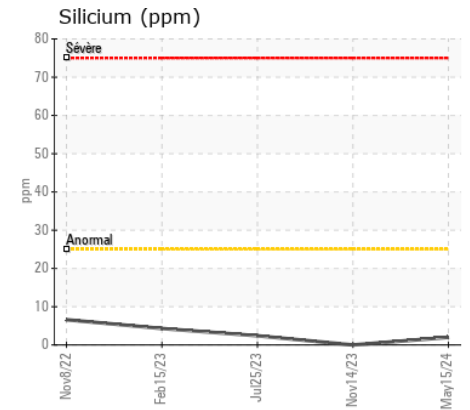
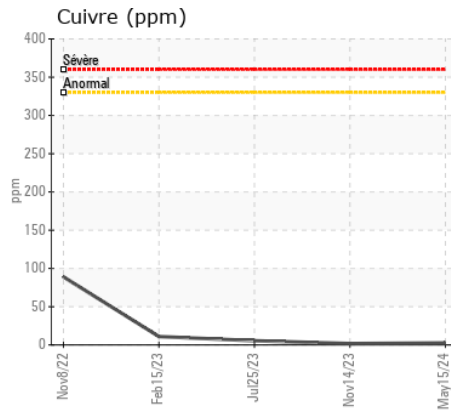
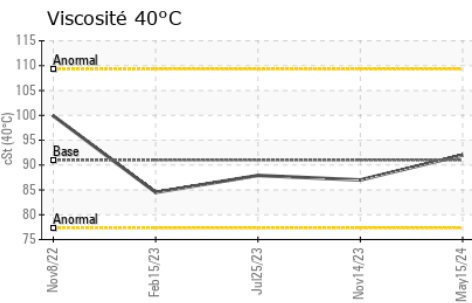
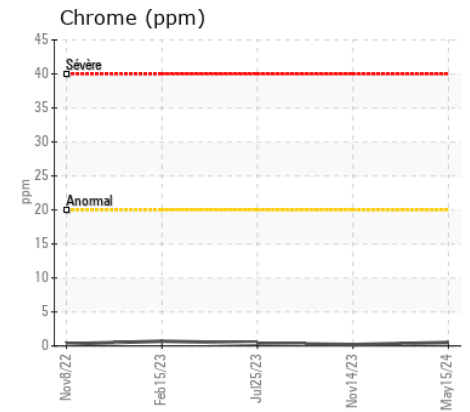
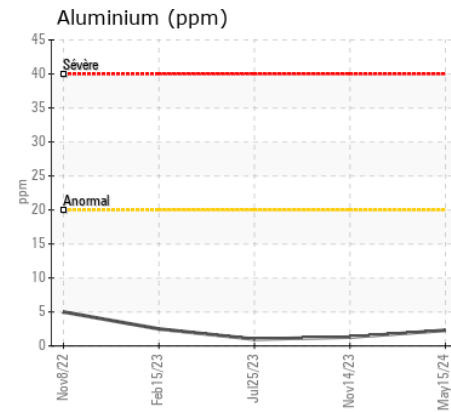
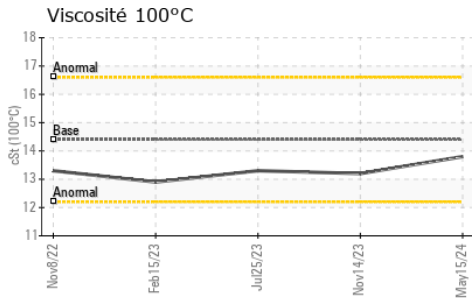
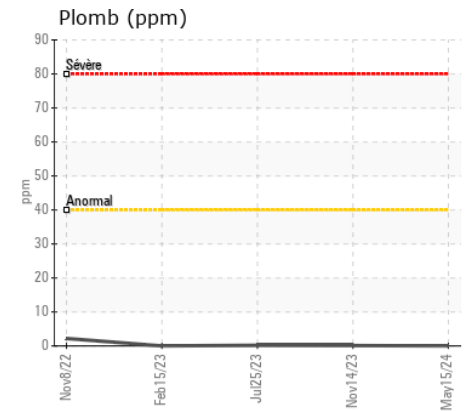
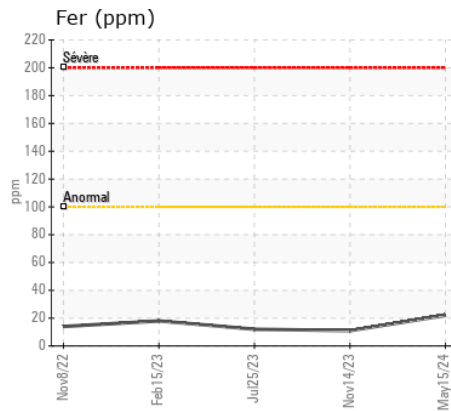
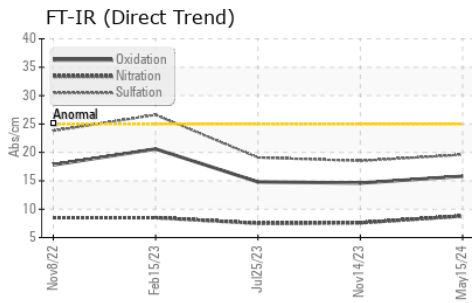
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>2</b>	0	2
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	0	<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>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.4</b>	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.8</b>	7.6	7.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.6</b>	18.5	19.1
Limon	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Débris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
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**

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

Sodium	ppm	ASTM D5185(m)	>44	<b>2</b>	2	2
Bore	ppm	ASTM D5185(m)	250	<b>1</b>	2	3
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	<1	0
Molybdène	ppm	ASTM D5185(m)	100	<b>58</b>	57	57
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>937</b>	938	940
Calcium	ppm	ASTM D5185(m)	3000	<b>1122</b>	1069	1096
Phosphore	ppm	ASTM D5185(m)	1150	<b>995</b>	1000	1052
Zinc	ppm	ASTM D5185(m)	1350	<b>1199</b>	1177	1180
Soufre	ppm	ASTM D5185(m)	4250	<b>2499</b>	2535	2565
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>15.8</b>	14.6	14.8
Visc 40°C	cSt	ASTM D7279(m)	91	<b>92.0</b>	87.0	87.9
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.8</b>	13.2	13.3
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>152</b>	152	152



ISO 17025:2017  
Accredited  
Laboratory

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

**N° d'échantillon** : PC0083720

**N° de laboratoire** : 02636536

**Numéro unique** : 5785698

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

**Reçu** : 21 May 2024

**Tested** : 21 May 2024

**Diagnostiqué** : 21 May 2024 - Wes Davis

**LES ENTREPRISES MICHAUDVILLE 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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F: