



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

Identité de la machine

**76107**

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>PC0083654</b>	PC0056573	PC0066414
Date d'échant.		Client Info		<b>12 Feb 2024</b>	16 Jan 2023	30 Nov 2022
Âge d la Machine	hrs	Client Info		<b>13950</b>	13068	12543
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>12</b>	8	9
Chrome	ppm	ASTM D5185(m)	>20	<b>2</b>	2	2
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>4</b>	3	4
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Cuivre	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Métal blanc	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Bronze	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE

**CONTAMINATION**

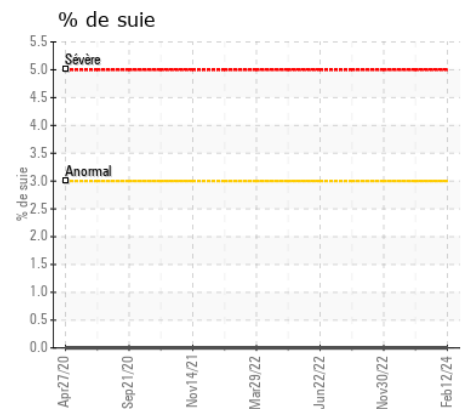
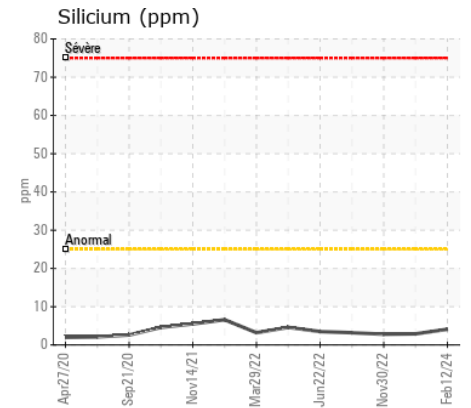
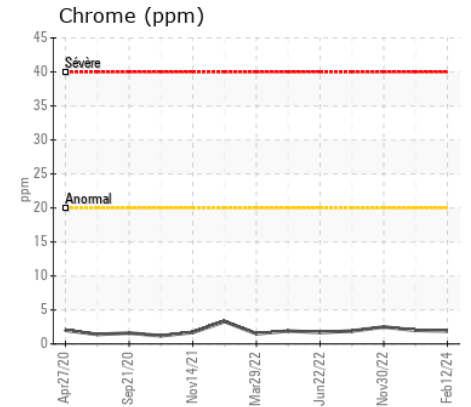
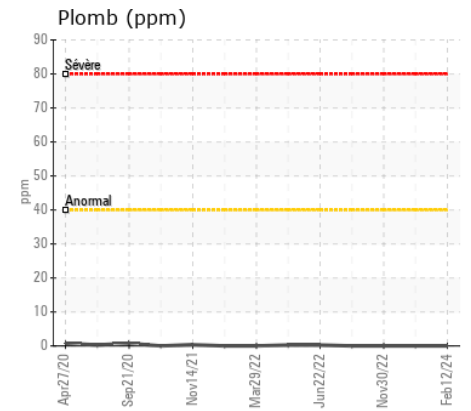
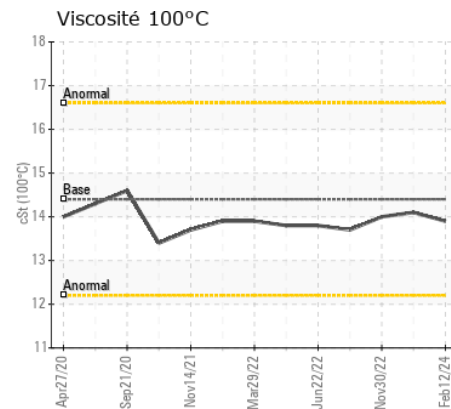
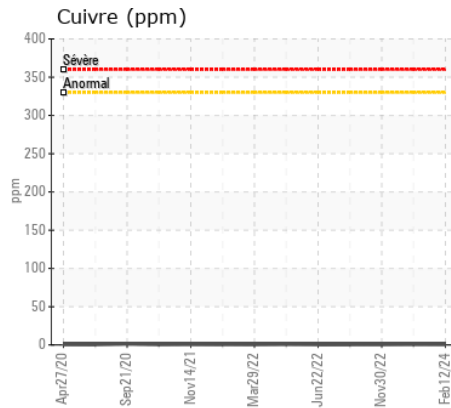
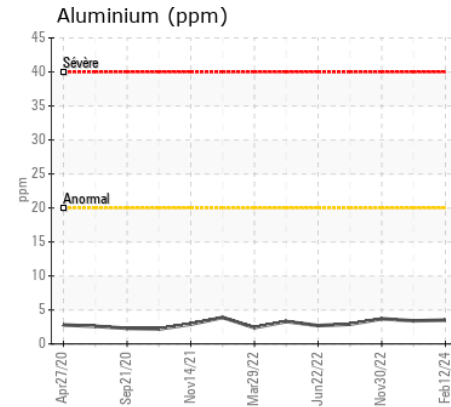
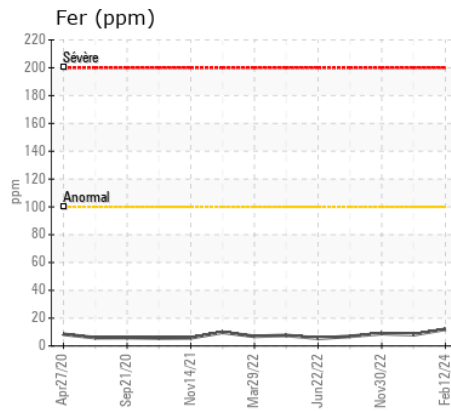
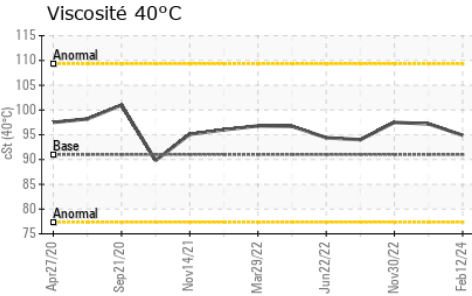
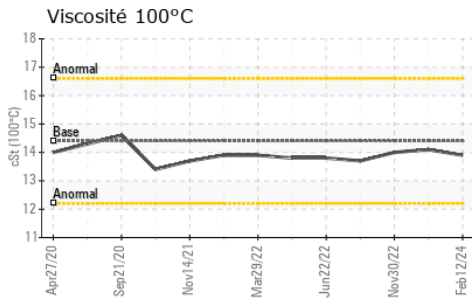
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
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</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.3</b>	7.0	7.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.7</b>	20.5	21.0
Limon	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Débris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Saleté	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Apparence	scalar	Visual*	NORML	<b>NORML</b>	NORML	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>1</b>	2	2
Bore	ppm	ASTM D5185(m)	250	<b>3</b>	2	3
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>60</b>	63	62
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>976</b>	1053	1064
Calcium	ppm	ASTM D5185(m)	3000	<b>1258</b>	1311	1332
Phosphore	ppm	ASTM D5185(m)	1150	<b>1059</b>	1104	1116
Zinc	ppm	ASTM D5185(m)	1350	<b>1251</b>	1295	1324
Soufre	ppm	ASTM D5185(m)	4250	<b>2823</b>	2633	2652
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.6</b>	16.2	17.2
Visc 40°C	cSt	ASTM D7279(m)	91	<b>94.9</b>	97.2	97.5
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.9</b>	14.1	14.0
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>149</b>	148	146



ISO 17025:2017  
Accredited  
Laboratory

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

**N° d'échantillon** : PC0083654

**N° de laboratoire** : 02615316

**Numéro unique** : 5724411

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

**Reçu** : 13 Feb 2024

**Tested** : 13 Feb 2024

**Diagnostiqué** : 13 Feb 2024 - Wes Davis

**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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