



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

Secteur  
**MICHAUDVILLE**

Identité de la machine

**1159**

Composant

**Moteur diesel**

Fluide

**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>PC0082534</b>	PC0060236	PC0034756
Date d'échant.		Client Info		<b>26 Nov 2023</b>	12 Apr 2022	10 Jul 2020
Âge d la Machine	hrs	Client Info		<b>13240</b>	12577	11912
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	Changed
Filtre changé		Client Info		<b>N/A</b>	N/A	Changed
Statut de l'échant.				<b>NORMAL</b>	ABNORMAL	NORMAL

**USURE**

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	<b>8</b>	26	9
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	1
Plomb	ppm	ASTM D5185(m)	>40	<b>1</b>	1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>1</b>	2	2
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<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**

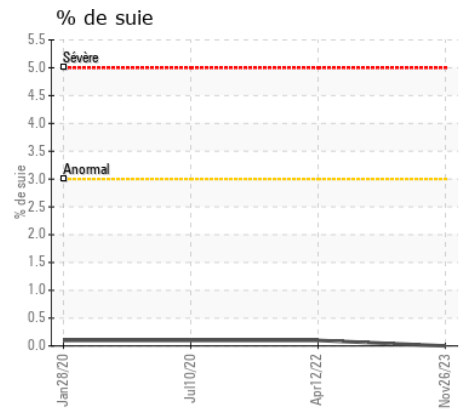
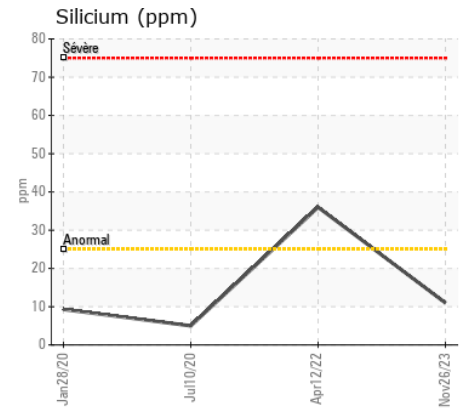
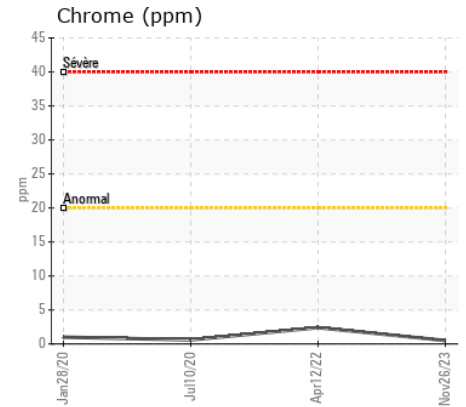
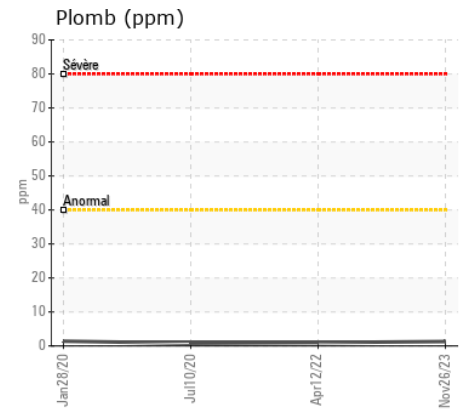
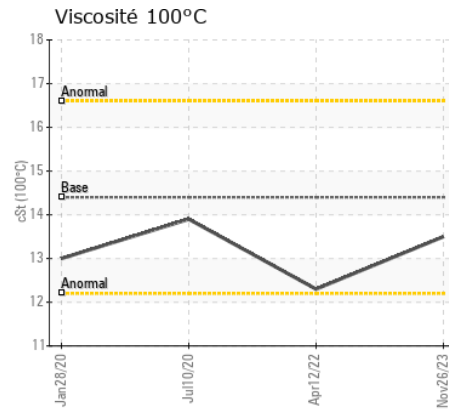
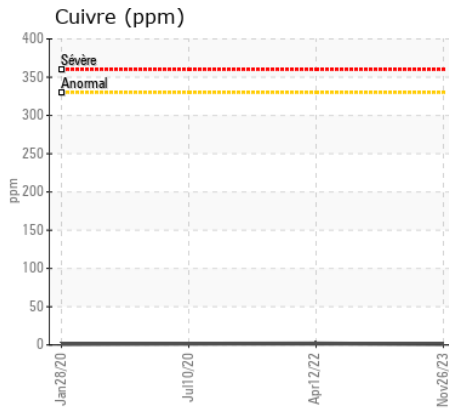
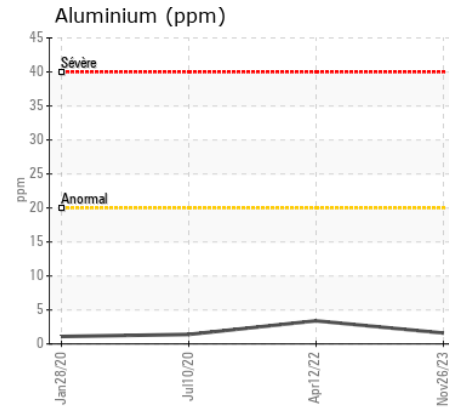
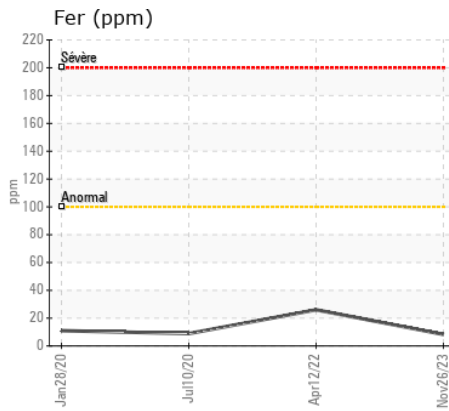
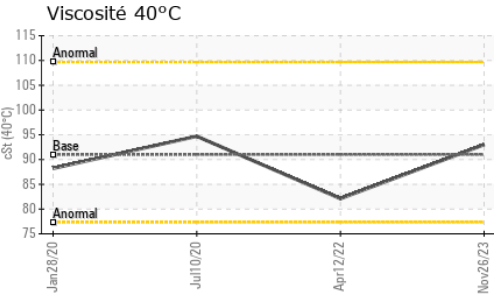
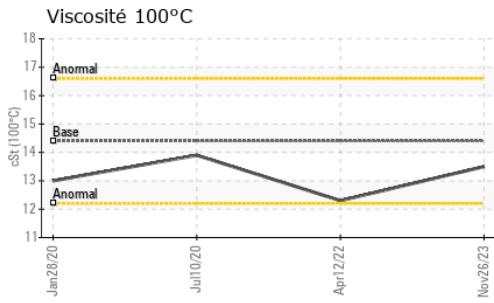
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>11</b>	▲ 36	5
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	4	2
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>	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.4</b>	6.9	8.0
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.8</b>	20.4	24.6
Limon	scalar	Visual*	NONE	<b>VLITE</b>	---	NONE
Débris	scalar	Visual*	NONE	<b>VLITE</b>	---	LIGHT
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>15</b>	19	16
Bore	ppm	ASTM D5185(m)	250	<b>2</b>	4	2
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>60</b>	54	59
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>971</b>	903	1000
Calcium	ppm	ASTM D5185(m)	3000	<b>1084</b>	1403	1062
Phosphore	ppm	ASTM D5185(m)	1150	<b>1002</b>	1109	1044
Zinc	ppm	ASTM D5185(m)	1350	<b>1186</b>	1279	1233
Soufre	ppm	ASTM D5185(m)	4250	<b>2579</b>	2755	2643
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>14.2</b>	13.1	14.9
Visc 40°C	cSt	ASTM D7279(m)	91	<b>93.0</b>	82.1	94.7
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.5</b>	12.3	13.9
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>146</b>	146	149



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUDVILLE INC.**  
**N° d'échantillon** : PC0082534 **Reçu** : 27 Nov 2023  
**N° de laboratoire** : 02598939 **Diagnostiqué** : 27 Nov 2023  
**Numéro unique** : 5684019 **Diagnostiqueur** : Wes Davis  
**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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