



# 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  
**1160**

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>PC0073326</b>	PC0056551	PC0065983
Date d'échant.		Client Info		<b>16 Jul 2023</b>	29 Jan 2023	02 Nov 2022
Âge d la Machine	kms	Client Info		<b>44463</b>	41713	182300
Âge de l'huile	kms	Client Info		<b>0</b>	0	0
Âge du filtre	kms	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

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>100	<b>10</b>	8	11
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>2</b>	3	4
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Cuivre	ppm	ASTM D5185(m)	>330	<b>1</b>	<1	<1
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

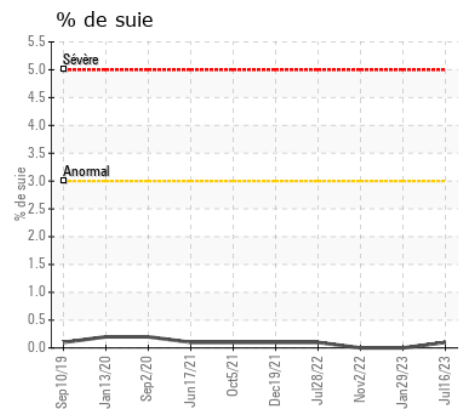
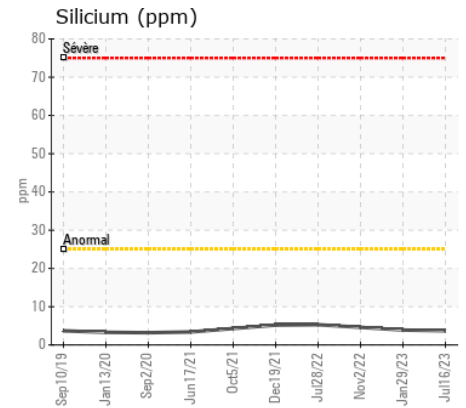
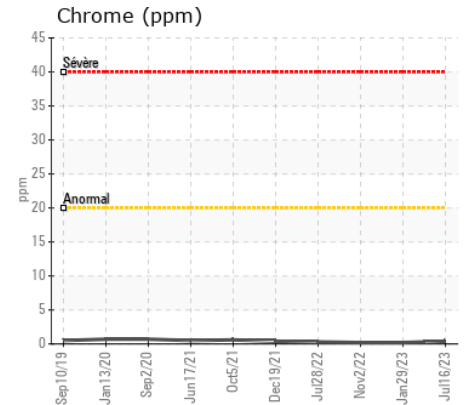
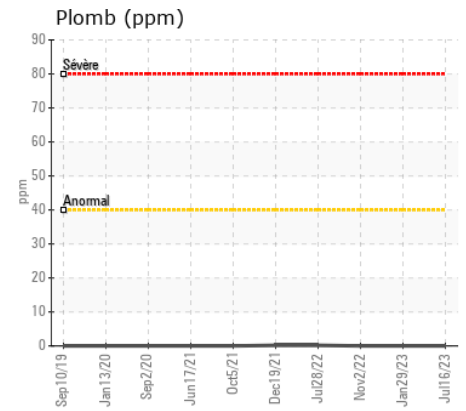
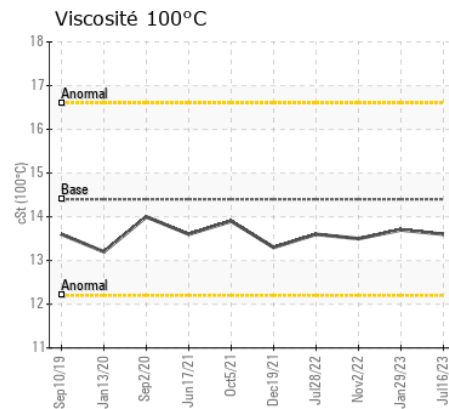
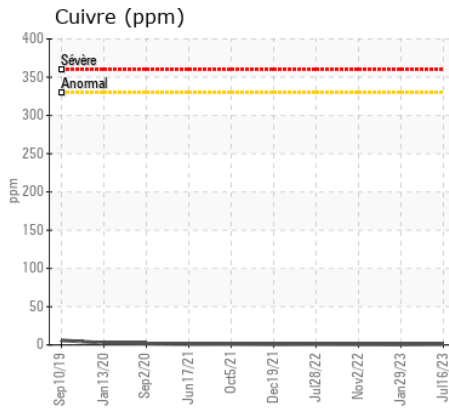
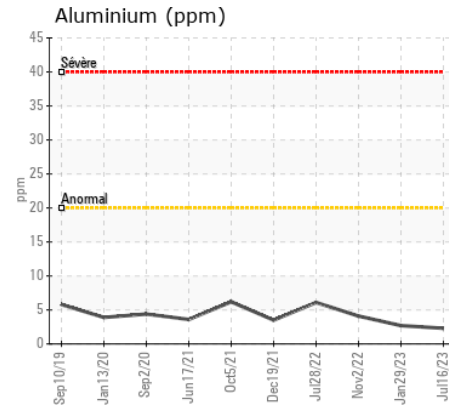
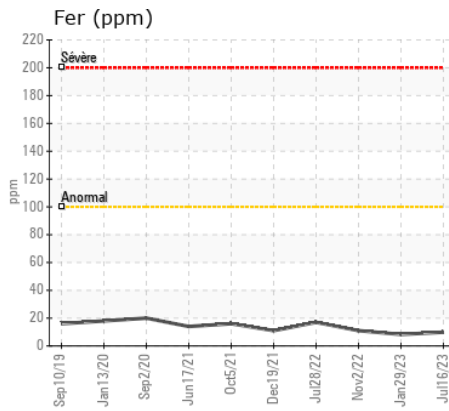
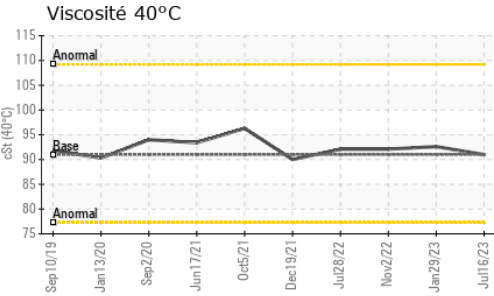
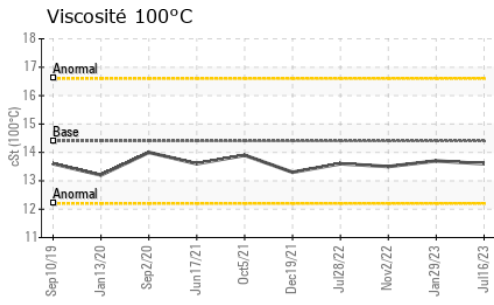
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	4	5
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	3	7
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>0.1</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.1</b>	10.0	9.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.8</b>	20.1	19.8
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>6</b>	6	6
Bore	ppm	ASTM D5185(m)	250	<b>4</b>	<1	1
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>56</b>	56	54
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>927</b>	921	890
Calcium	ppm	ASTM D5185(m)	3000	<b>1089</b>	1110	1129
Phosphore	ppm	ASTM D5185(m)	1150	<b>1043</b>	1063	1044
Zinc	ppm	ASTM D5185(m)	1350	<b>1171</b>	1187	1170
Soufre	ppm	ASTM D5185(m)	4250	<b>2570</b>	2615	2576
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.4</b>	17.9	17.7
Visc 40°C	cSt	ASTM D7279(m)	91	<b>91.0</b>	92.6	92.1
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.6</b>	13.7	13.5
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>151</b>	150	147



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**  
**N° d'échantillon** : PC0073326 **Reçu** : 17 Jul 2023  
**N° de laboratoire** : 02570367 **Diagnostiqueur** : Wes Davis  
**Numéro unique** : 5607413  
**Analyse** : MOB 1 ( Additional Tests: KV40, VI )

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.  
 Validity of results and interpretation are based on the sample and information as supplied.

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