



Identité de la machine

**F55062**

Composant

**Moteur diesel**

Fluide

**DIESEL ENGINE OIL SAE 5W40 (--- GAL)**

**RECOMMENDATION**

We advise that you check the fuel injection system. We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

**USURE**

All component wear rates are normal.

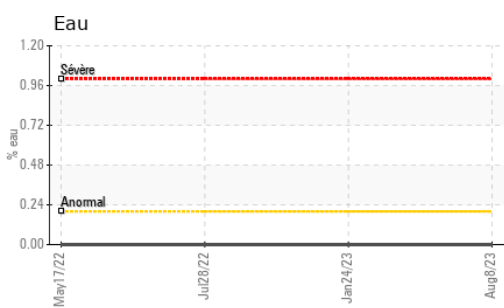
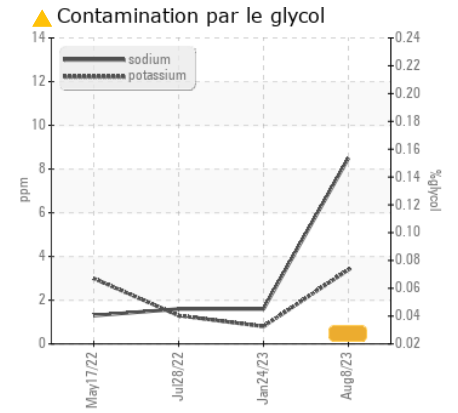
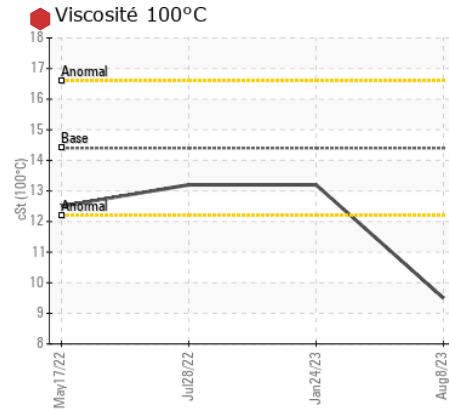
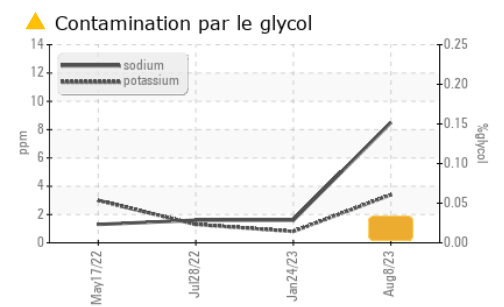
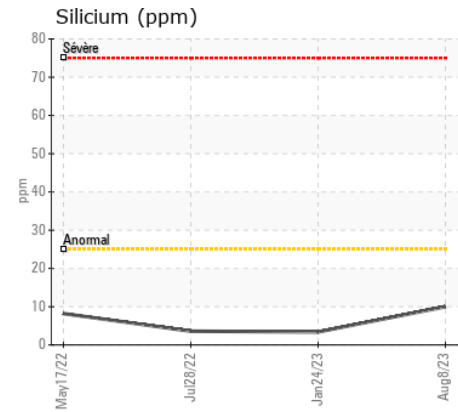
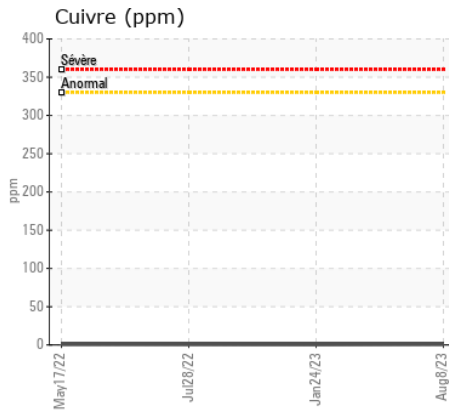
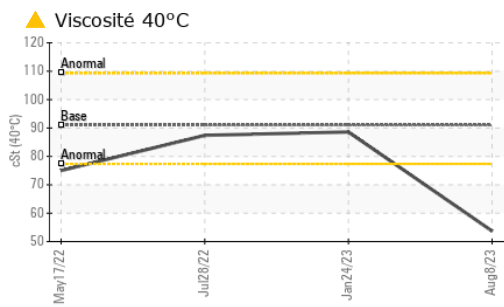
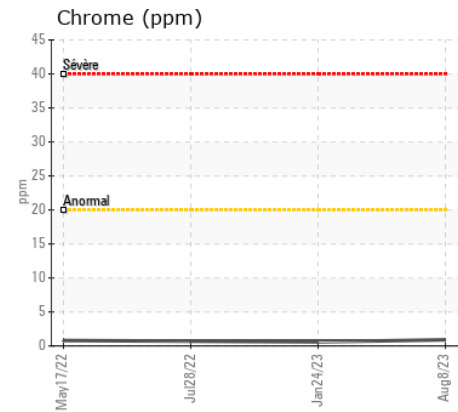
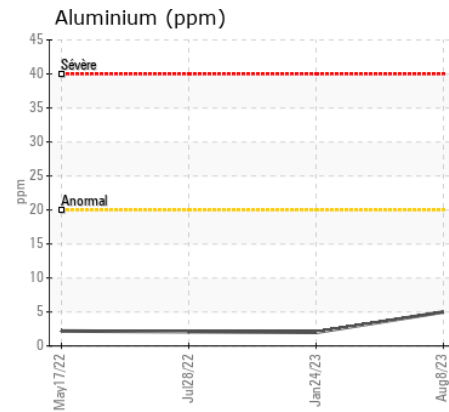
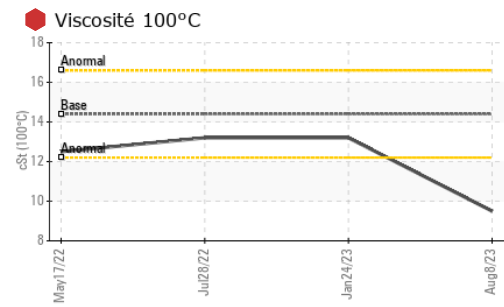
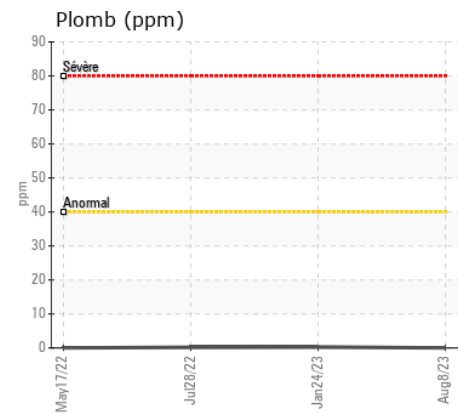
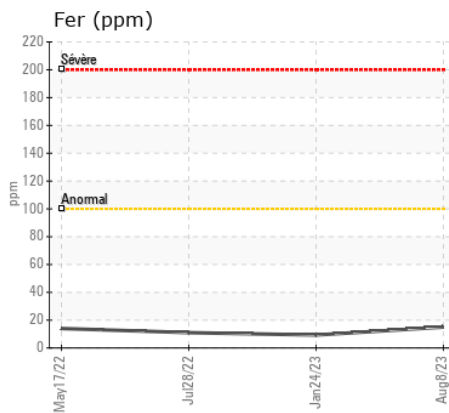
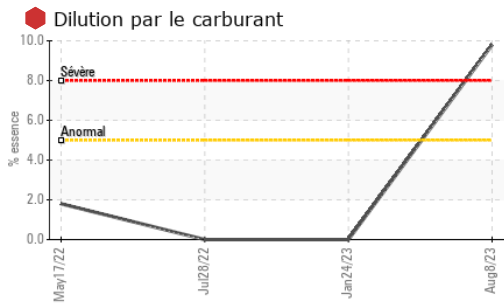
**CONTAMINATION**

Test for glycol is positive. There is a high amount of fuel present in the oil. There is a light concentration of glycol present in the oil. There is a moderate concentration of water present in the oil. Tests confirm the presence of fuel in the oil.

**ÉTAT DU FLUIDE**

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0077714</b>	PC0067593	PC0065117
Date d'échant.		Client Info		<b>08 Aug 2023</b>	24 Jan 2023	28 Jul 2022
Âge d la Machine	hrs	Client Info		<b>3057</b>	2540	2100
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>SEVERE</b>	NORMAL	NORMAL
Fer	ppm	ASTM D5185(m)	>100	<b>15</b>	9	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>&lt;1</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>5</b>	2	2
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
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	---
Bronze	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silicium	ppm	ASTM D5185(m)	>25	<b>10</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	<1	1
Essence	%	ASTM D7593*	>5	<b>9.8</b>	<1.0	<1.0
Glycol	%	ASTM D7922*		<b>0.033</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.8</b>	5.5	5.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>18.4</b>	20.8	21.4
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>.2%</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>44	<b>8</b>	2	2
Bore	ppm	ASTM D5185(m)	250	<b>9</b>	2	6
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>50</b>	50	47
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>802</b>	842	809
Calcium	ppm	ASTM D5185(m)	3000	<b>1031</b>	1311	1348
Phosphore	ppm	ASTM D5185(m)	1150	<b>913</b>	1041	956
Zinc	ppm	ASTM D5185(m)	1350	<b>1029</b>	1157	1123
Soufre	ppm	ASTM D5185(m)	4250	<b>2285</b>	2683	2652
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>13.1</b>	15.2	16.5
Visc 40°C	cSt	ASTM D7279(m)	91	<b>53.7</b>	88.6	87.4
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>9.5</b>	13.2	13.2
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>162</b>	149	151



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**  
**N° d'échantillon** : PC0077714 **Reçu** : 09 Aug 2023 270 RUE BRUNET  
**N° de laboratoire** : 02574733 **Diagnostiqué** : 10 Aug 2023 MONT ST-HILAIRE, QC  
**Numéro unique** : 5619784 **Diagnostiqueur** : Kevin Marson CA J3H 0M6  
**Analyse** : MOB 1 ( Additional Tests: FuelDilution, Glycol, KF, KV40, PercentFuel, VI, Visual ) Contact: Martin Trudel  
 Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131. mtrudel@michaudville.com  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T:  
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada. F: