



Identité de la machine

**5545**

Composant

**Moteur diesel**

Fluide

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

**RECOMMENDATION**

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 light concentration of glycol present in the oil.

**ÉTAT DU FLUIDE**

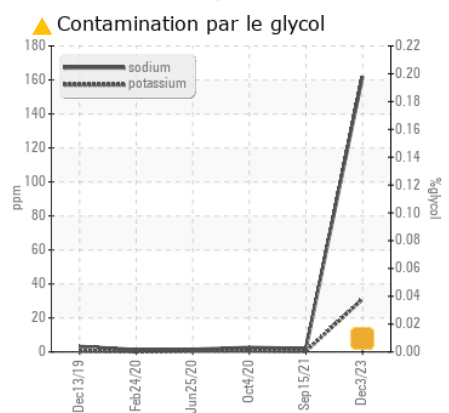
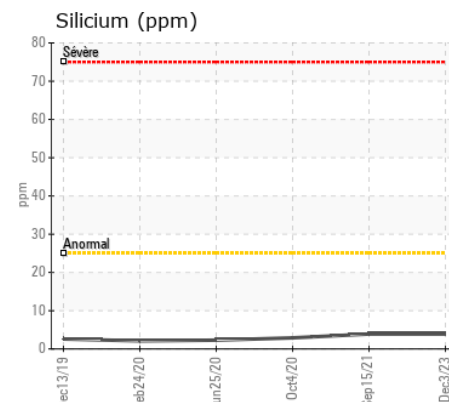
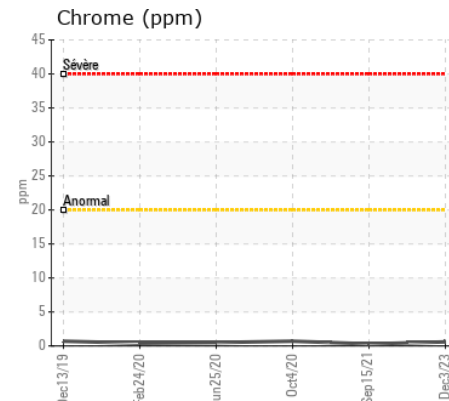
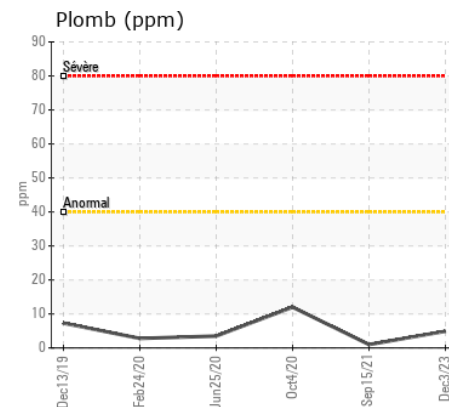
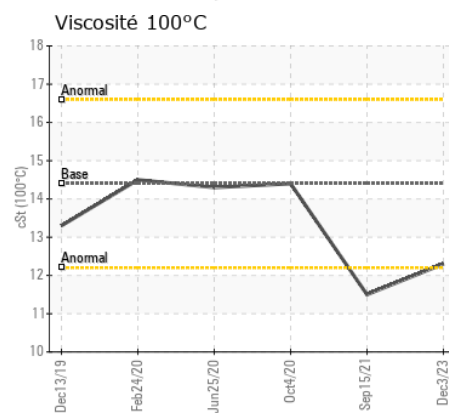
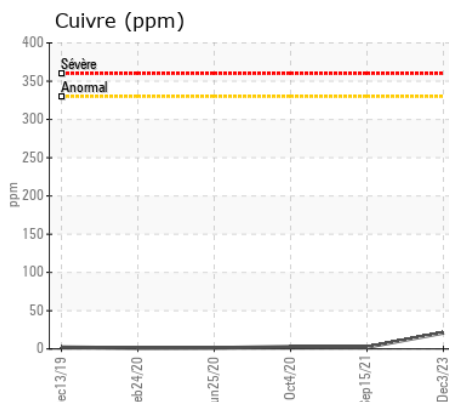
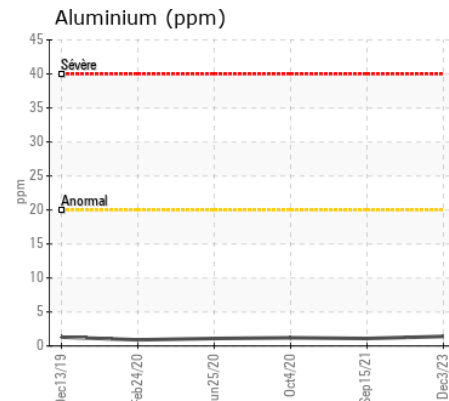
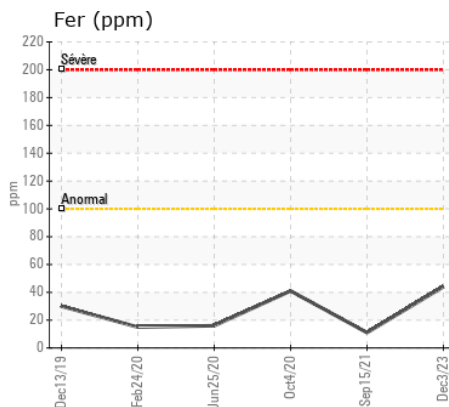
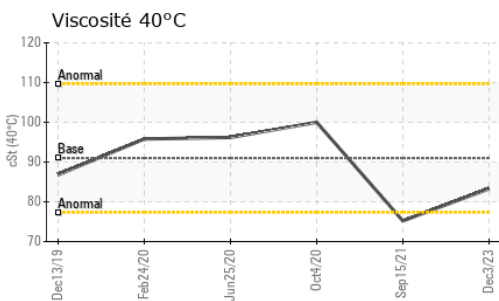
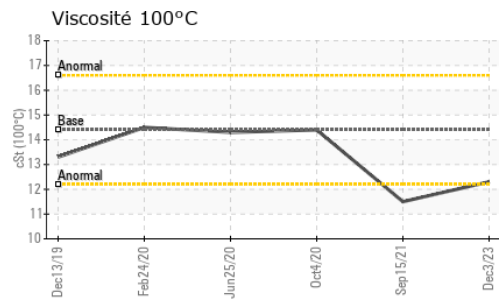
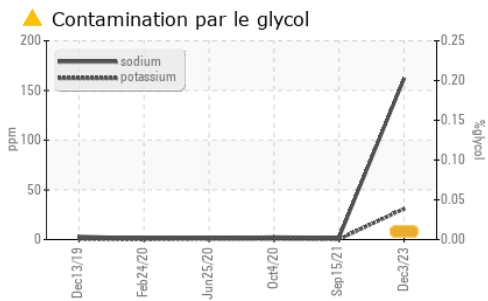
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>PC0083897</b>	PC0053623	PC0037187
Date d'échant.		Client Info		<b>03 Dec 2023</b>	15 Sep 2021	04 Oct 2020
Âge d la Machine	hrs	Client Info		<b>8993</b>	7563	6914
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>ABNORMAL</b>	ABNORMAL	NORMAL

Fer	ppm	ASTM D5185(m)	>100	<b>44</b>	11	41
Chrome	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titane	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>1</b>	1	1
Plomb	ppm	ASTM D5185(m)	>40	<b>5</b>	1	12
Cuivre	ppm	ASTM D5185(m)	>330	<b>21</b>	2	3
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	4	3
Potassium	ppm	ASTM D5185(m)	>20	<b>▲ 31</b>	<1	<1
Essence		WC Method	>5	<b>&lt;1.0</b>	1.1	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	%	ASTM D7922*		<b>▲ 0.017</b>	NEG	NEG
% de suie	%	ASTM D7844*	>3	<b>0.3</b>	0	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.0</b>	7.6	9.8
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>24.9</b>	25.5	22.7
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185(m)	>44	<b>▲ 162</b>	2	3
Bore	ppm	ASTM D5185(m)	250	<b>6</b>	27	2
Baryum	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	<1
Molybdène	ppm	ASTM D5185(m)	100	<b>74</b>	41	63
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>740</b>	600	1052
Calcium	ppm	ASTM D5185(m)	3000	<b>1455</b>	1679	1155
Phosphore	ppm	ASTM D5185(m)	1150	<b>927</b>	1000	1069
Zinc	ppm	ASTM D5185(m)	1350	<b>1158</b>	1143	1332
Soufre	ppm	ASTM D5185(m)	4250	<b>2358</b>	2617	2672
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>22.7</b>	22.6	20.0
Visc 40°C	cSt	ASTM D7279(m)	91	<b>83.3</b>	<b>▲ 75.2</b>	100
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>12.3</b>	<b>▲ 11.5</b>	14.4
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>143</b>	145	148



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.  
**N° d'échantillon** : PC0083897 **Reçu** : 04 Dec 2023  
**N° de laboratoire** : 02600395 **Diagnostiqué** : 04 Dec 2023  
**Numéro unique** : 5685475 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1 ( Additional Tests: Glycol, 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.  
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

270 RUE BRUNET  
MONT ST-HILAIRE, QC  
CA J3H 0M6  
Contact: Martin Trudel  
mtrudel@michaudville.com  
T:  
F: