



Identité de la machine

**1215**

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>PC0075990</b>	PC0070912	PC0066476
Date d'échant.		Client Info		<b>06 Jul 2023</b>	01 Mar 2023	03 Nov 2022
Âge d la Machine	hrs	Client Info		<b>7123</b>	6649	6137
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>24</b>	27	26
Chrome	ppm	ASTM D5185(m)	>20	<b>1</b>	2	1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Titane	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	0	0
Aluminium	ppm	ASTM D5185(m)	>20	<b>11</b>	13	13
Plomb	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Cuivre	ppm	ASTM D5185(m)	>330	<b>2</b>	2	3
Étain	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

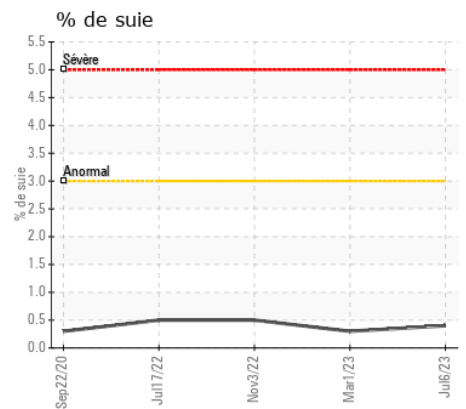
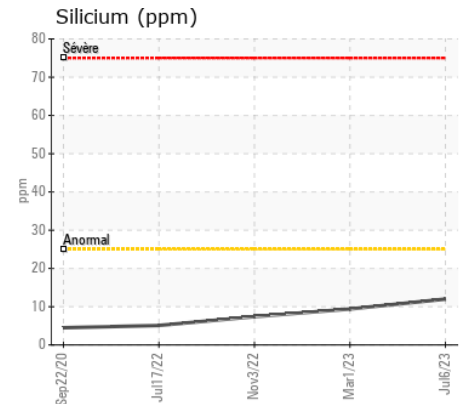
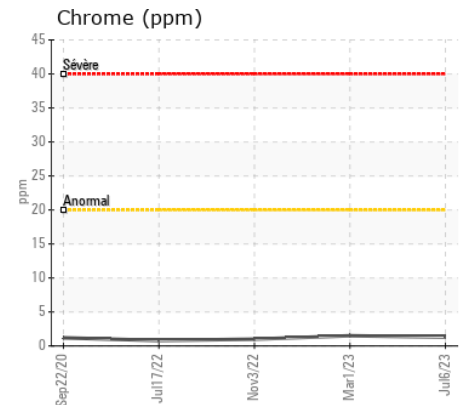
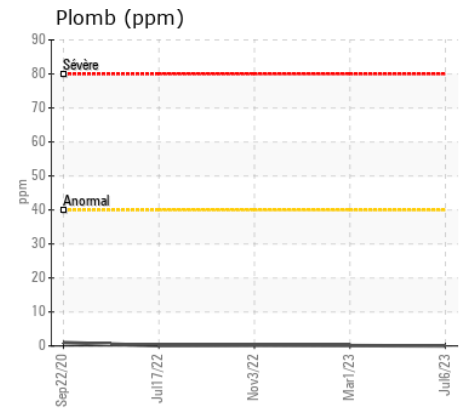
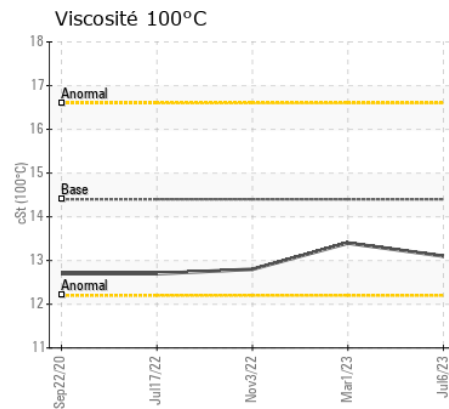
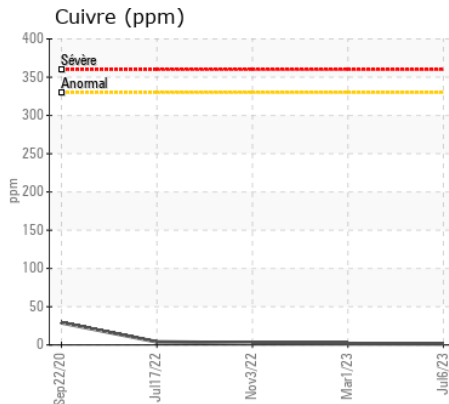
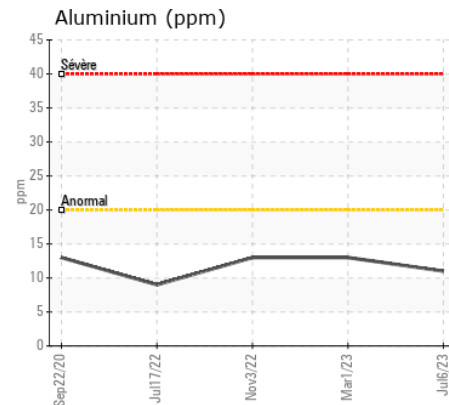
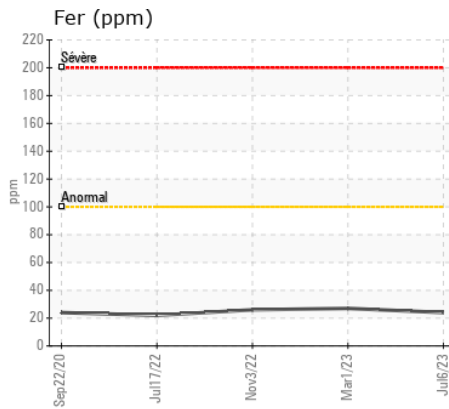
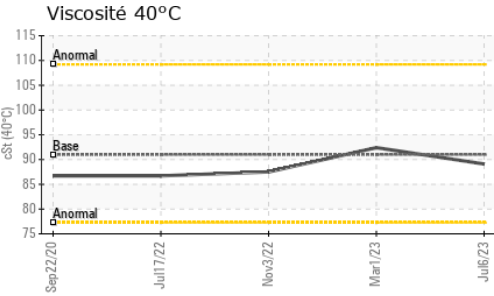
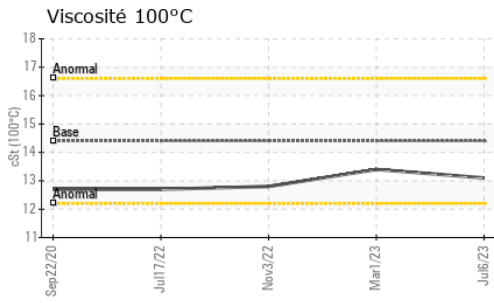
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>12</b>	9	7
Potassium	ppm	ASTM D5185(m)	>20	<b>17</b>	22	24
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>0.4</b>	0.3	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.5</b>	9.8	10.4
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>19.7</b>	21.9	21.9
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>7</b>	7	8
Bore	ppm	ASTM D5185(m)	250	<b>1</b>	1	2
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdène	ppm	ASTM D5185(m)	100	<b>59</b>	61	60
Manganèse	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	<b>969</b>	991	949
Calcium	ppm	ASTM D5185(m)	3000	<b>1115</b>	1156	1207
Phosphore	ppm	ASTM D5185(m)	1150	<b>1081</b>	1115	1103
Zinc	ppm	ASTM D5185(m)	1350	<b>1204</b>	1208	1229
Soufre	ppm	ASTM D5185(m)	4250	<b>2492</b>	2652	2634
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.2</b>	16.8	17.6
Visc 40°C	cSt	ASTM D7279(m)	91	<b>89.1</b>	92.4	87.5
Visc 100°C	cSt	ASTM D7279(m)	14.4	<b>13.1</b>	13.4	12.8
Indice de viscosité (VI)	Scale	ASTM D2270*	164	<b>146</b>	145	144



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUDVILLE INC.**  
**N° d'échantillon** : PC0075990 **Reçu** : 07 Jul 2023  
**N° de laboratoire** : 02568473 **Diagnostiqué** : 07 Jul 2023  
**Numéro unique** : 5605519 **Diagnostiqueur** : Wes Davis  
**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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