



USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

1224

Composant

Moteur diesel

Fluid

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		PC0083695	PC0078091	PC0071994
Date d'échant.		Client Info		21 Jan 2024	13 Sep 2023	14 Feb 2023
Âge d la Machine	hrs	Client Info		6388	5825	4877
Âge de l'huile	hrs	Client Info		0	0	0
Âge du filtre	hrs	Client Info		0	0	0
Huile changée		Client Info		N/A	N/A	N/A
Filtre changé		Client Info		N/A	N/A	N/A
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	9	7	8
Chrome	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	5	5	8
Plomb	ppm	ASTM D5185(m)	>40	<1	0	0
Cuivre	ppm	ASTM D5185(m)	>330	2	1	1
Étain	ppm	ASTM D5185(m)	>15	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

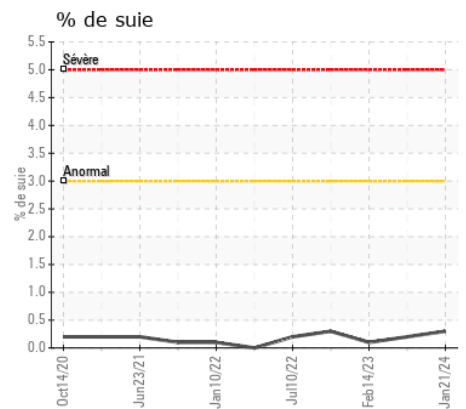
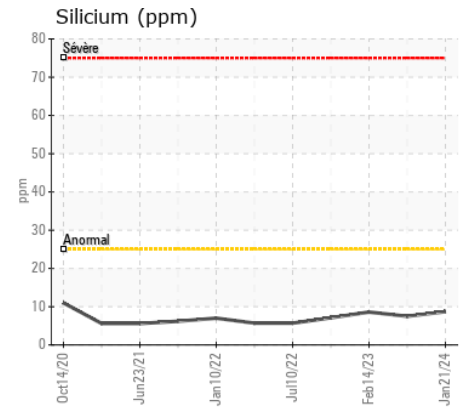
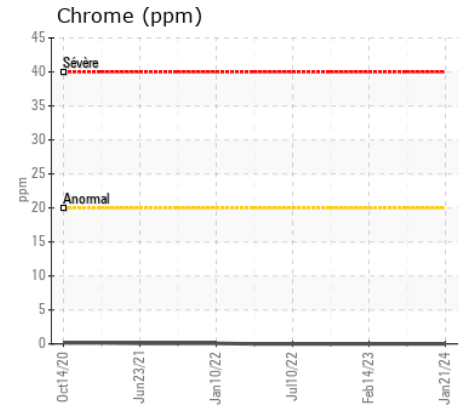
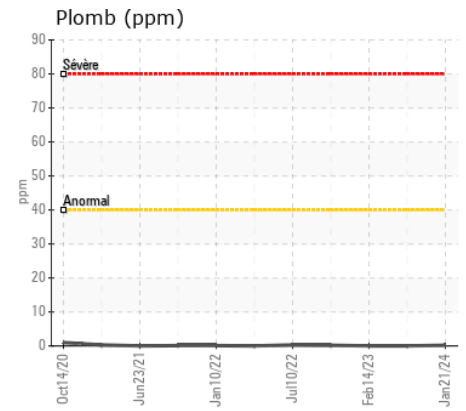
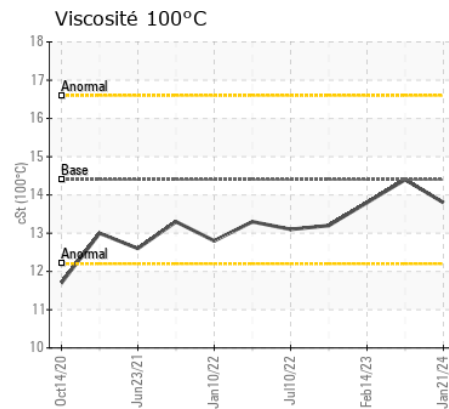
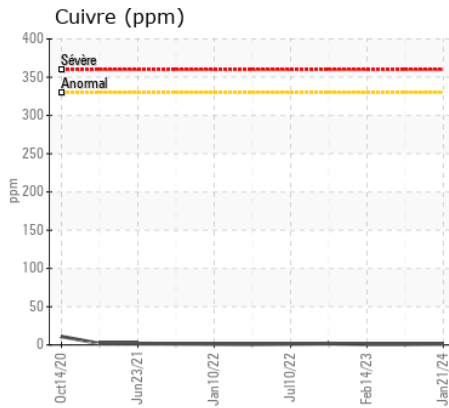
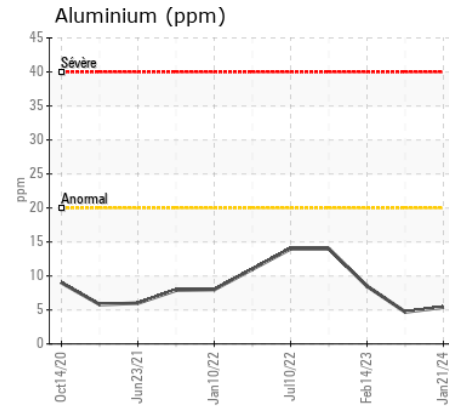
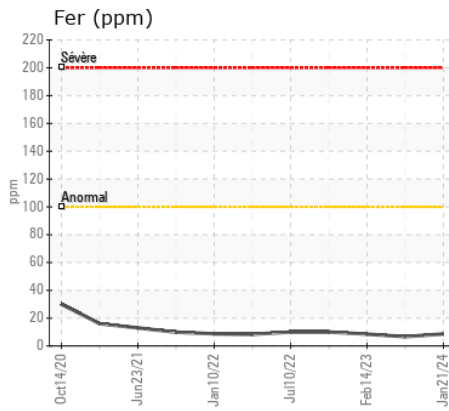
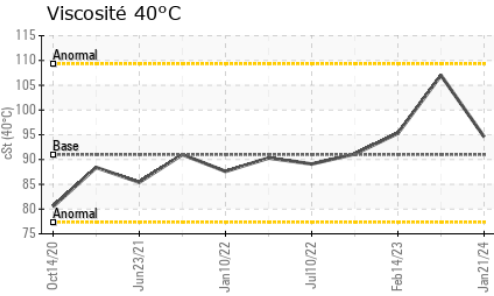
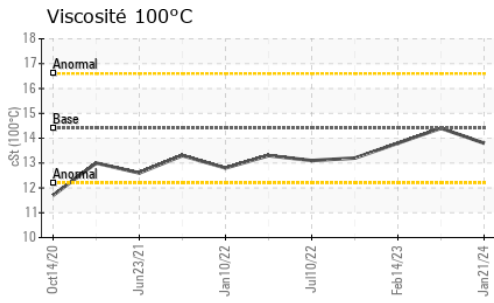
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	9	8	9
Potassium	ppm	ASTM D5185(m)	>20	12	15	18
Essence		WC Method	>5	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.3	0.2	0.1
Nitration	Abs/cm	ASTM D7624*	>20	8.0	7.9	7.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	19.8	20.8	20.8
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>44	<1	2	2
Bore	ppm	ASTM D5185(m)	250	6	88	1
Baryum	ppm	ASTM D5185(m)	10	0	0	0
Molybdène	ppm	ASTM D5185(m)	100	54	14	59
Manganèse	ppm	ASTM D5185(m)		0	0	<1
Magnésium	ppm	ASTM D5185(m)	450	878	130	980
Calcium	ppm	ASTM D5185(m)	3000	1197	2063	1145
Phosphore	ppm	ASTM D5185(m)	1150	999	1006	1104
Zinc	ppm	ASTM D5185(m)	1350	1172	1141	1226
Soufre	ppm	ASTM D5185(m)	4250	2632	2806	2610
Oxydation	Abs/.1mm	ASTM D7414*	>25	15.9	16.2	15.4
Visc 40°C	cSt	ASTM D7279(m)	91	94.6	107	95.3
Visc 100°C	cSt	ASTM D7279(m)	14.4	13.8	14.4	13.8
Indice de viscosité (VI)	Scale	ASTM D2270*	164	148	137	146



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUVILLE INC.
N° d'échantillon : PC0083695 **Reçu** : 22 Jan 2024
N° de laboratoire : 02610215 **Diagnostiqué** : 22 Jan 2024
Numéro unique : 5711301 **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.

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: