



Identité de la machine

1226

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		PC0082609	PC0077372	PC0072125
Date d'échant.		Client Info		14 Nov 2023	28 Aug 2023	24 May 2023
Âge d la Machine	hrs	Client Info		4550	3997	3526
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	13	13	8
Chrome	ppm	ASTM D5185(m)	>20	0	<1	0
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titane	ppm	ASTM D5185(m)		0	0	<1
Argent	ppm	ASTM D5185(m)	>3	<1	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	11	10	5
Plomb	ppm	ASTM D5185(m)	>40	0	0	0
Cuivre	ppm	ASTM D5185(m)	>330	1	1	<1
Étain	ppm	ASTM D5185(m)	>15	<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

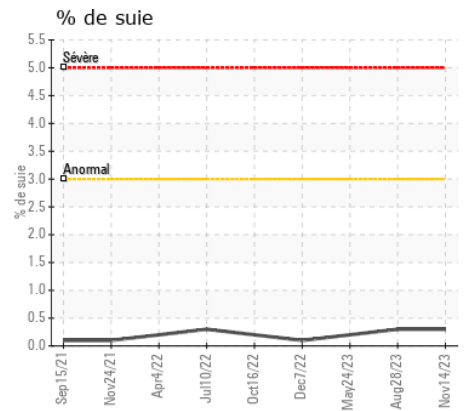
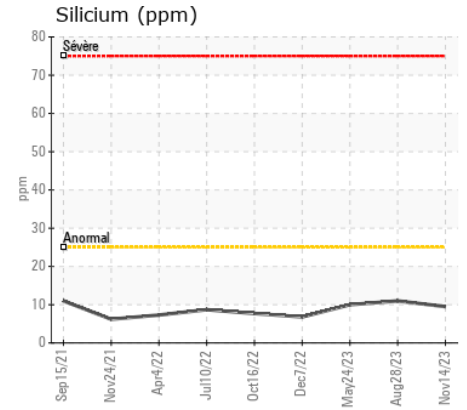
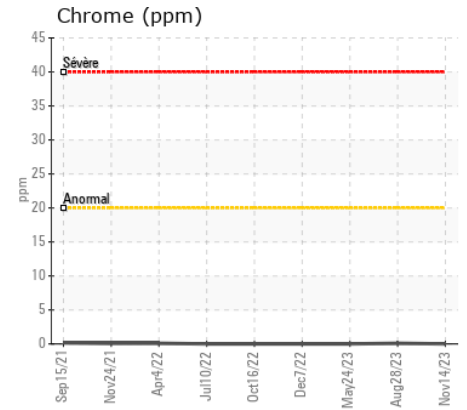
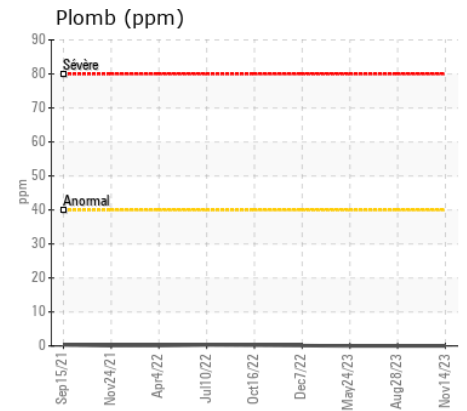
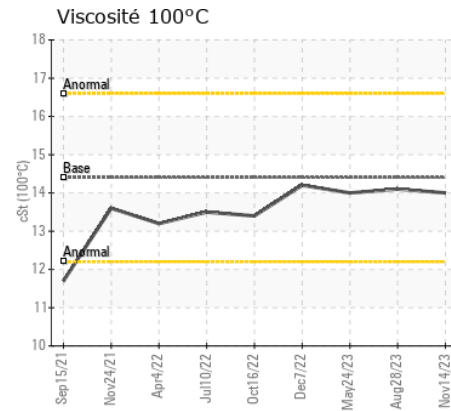
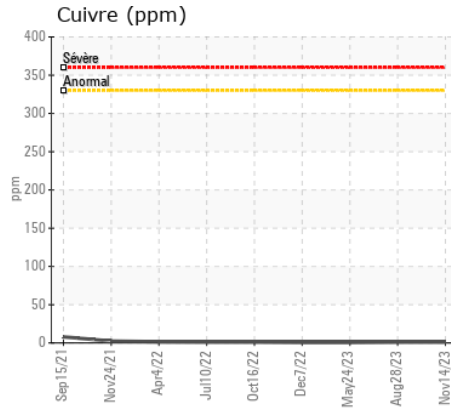
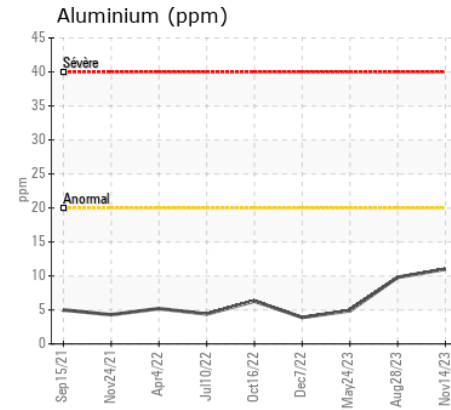
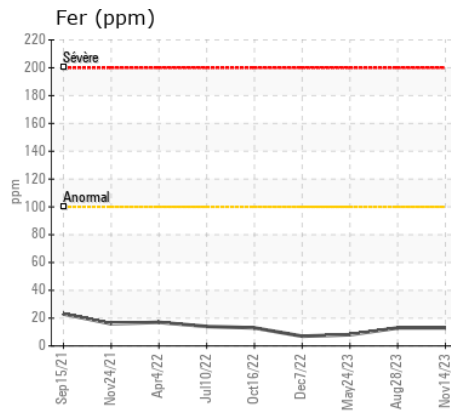
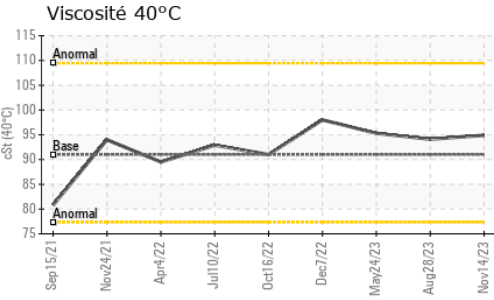
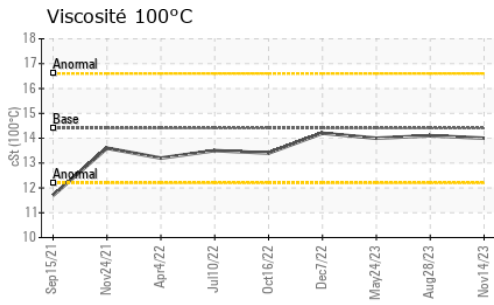
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	10	11	10
Potassium	ppm	ASTM D5185(m)	>20	17	16	7
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.3	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	7.7	7.3	6.9
Sulfatation	Abs/.1mm	ASTM D7415*	>30	19.7	22.0	19.2
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	1
Bore	ppm	ASTM D5185(m)	250	1	<1	4
Baryum	ppm	ASTM D5185(m)	10	0	0	0
Molybdène	ppm	ASTM D5185(m)	100	60	56	58
Manganèse	ppm	ASTM D5185(m)		0	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	982	931	937
Calcium	ppm	ASTM D5185(m)	3000	1088	1180	1154
Phosphore	ppm	ASTM D5185(m)	1150	1010	1062	1062
Zinc	ppm	ASTM D5185(m)	1350	1200	1216	1158
Soufre	ppm	ASTM D5185(m)	4250	2488	2627	2642
Oxydation	Abs/.1mm	ASTM D7414*	>25	15.4	15.8	14.6
Visc 40°C	cSt	ASTM D7279(m)	91	94.9	94.1	95.3
Visc 100°C	cSt	ASTM D7279(m)	14.4	14.0	14.1	14.0
Indice de viscosité (VI)	Scale	ASTM D2270*	164	150	153	150



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**
N° d'échantillon : PC0082609 **Reçu** : 15 Nov 2023 270 RUE BRUNET
N° de laboratoire : 02596466 **Diagnostiqué** : 15 Nov 2023 MONT ST-HILAIRE, QC
Numéro unique : 5681546 **Diagnostiqueur** : Wes Davis CA J3H 0M6
Analyse : MOB 1 (Additional Tests: KV40, VI) Contact: Martin Trudel

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.

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