



Identité de la machine

1518

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		PC0082229	PC0072014	PC0071529
Date d'échant.		Client Info		17 Oct 2023	16 Jul 2023	23 Feb 2023
Âge d la Machine	hrs	Client Info		775	364	1595
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

Metal levels are typical for a new component breaking in.

Fer	ppm	ASTM D5185(m)	>100	20	22	18
Chrome	ppm	ASTM D5185(m)	>20	0	<1	0
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titane	ppm	ASTM D5185(m)		0	0	<1
Argent	ppm	ASTM D5185(m)	>3	<1	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	5	7	9
Plomb	ppm	ASTM D5185(m)	>40	<1	0	<1
Cuivre	ppm	ASTM D5185(m)	>330	2	3	3
Étain	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

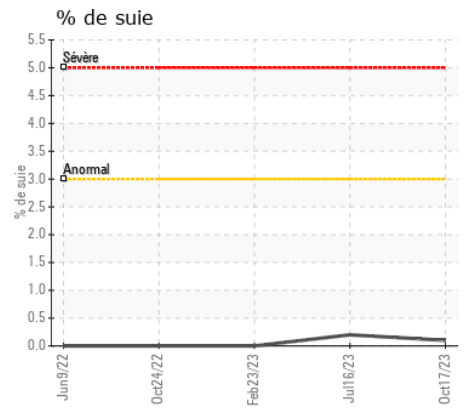
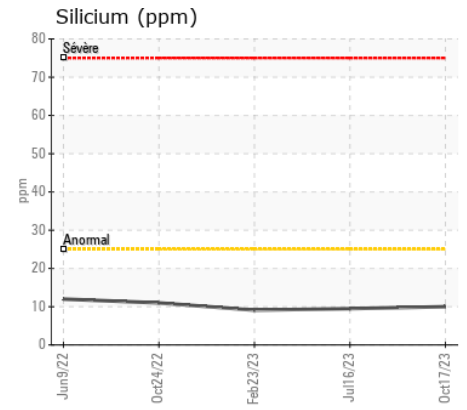
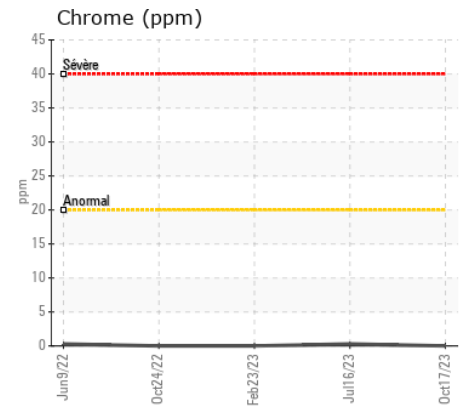
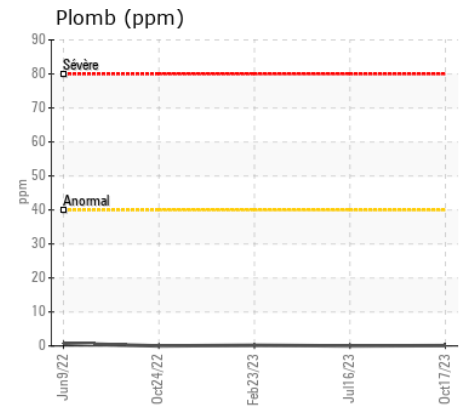
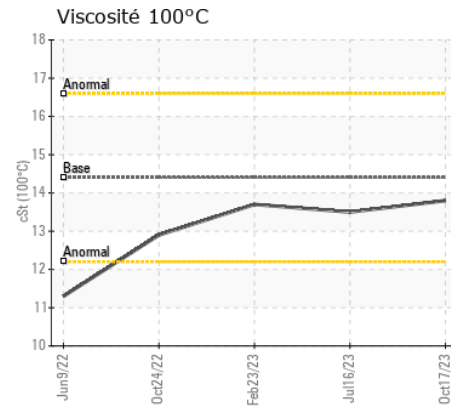
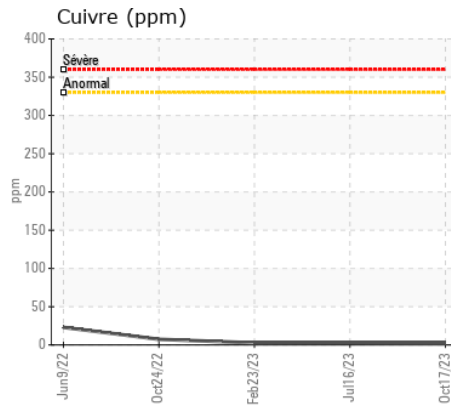
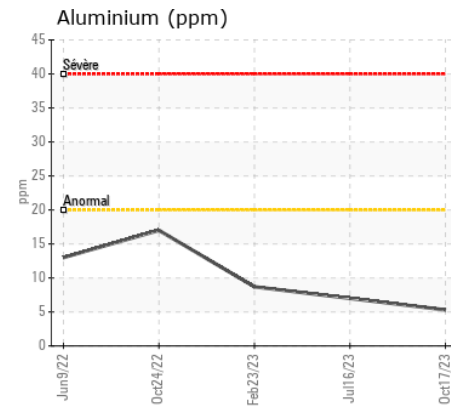
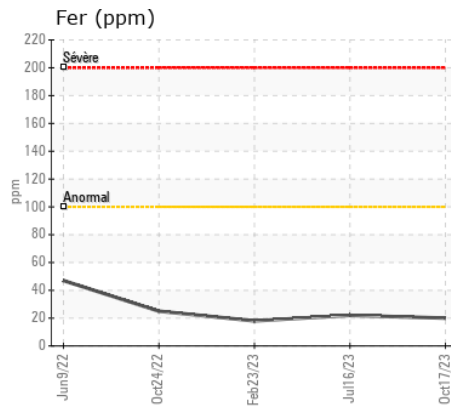
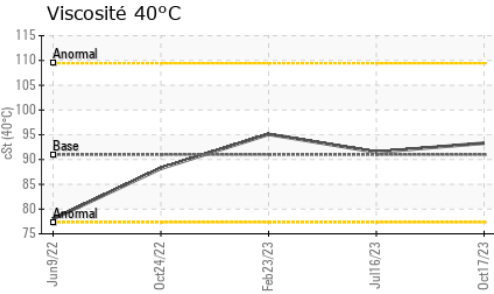
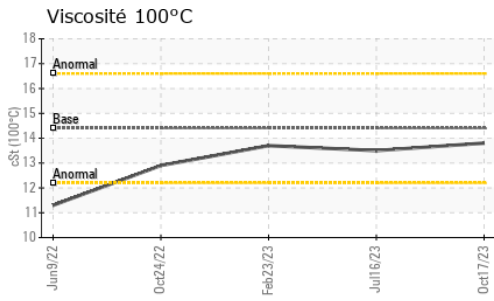
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	10	10	9
Potassium	ppm	ASTM D5185(m)	>20	12	17	20
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.1	0.2	0
Nitration	Abs/cm	ASTM D7624*	>20	8.5	10.1	8.8
Sulfatation	Abs/.1mm	ASTM D7415*	>30	19.9	20.9	21.3
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	2	2	2
Bore	ppm	ASTM D5185(m)	250	2	2	2
Baryum	ppm	ASTM D5185(m)	10	<1	0	0
Molybdène	ppm	ASTM D5185(m)	100	58	59	59
Manganèse	ppm	ASTM D5185(m)		0	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	956	985	986
Calcium	ppm	ASTM D5185(m)	3000	1129	1137	1163
Phosphore	ppm	ASTM D5185(m)	1150	1006	1086	1118
Zinc	ppm	ASTM D5185(m)	1350	1216	1228	1211
Soufre	ppm	ASTM D5185(m)	4250	2540	2522	2711
Oxydation	Abs/.1mm	ASTM D7414*	>25	16.1	17.3	16.2
Visc 40°C	cSt	ASTM D7279(m)	91	93.3	91.5	95.1
Visc 100°C	cSt	ASTM D7279(m)	14.4	13.8	13.5	13.7
Indice de viscosité (VI)	Scale	ASTM D2270*	164	150	148	145



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.
N° d'échantillon : PC0082229 **Reçu** : 18 Oct 2023
N° de laboratoire : 02589854 **Diagnostiqué** : 18 Oct 2023
Numéro unique : 5658920 **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.

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