



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
MICHAUDVILLE
Identité de la machine
1253

Composant
Moteur diesel
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- 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		PC0077582	PC0070998	PC0066073
Date d'échant.		Client Info		19 Dec 2023	14 Mar 2023	08 Nov 2022
Âge d la Machine	kms	Client Info		0	3819	77564
Âge de l'huile	kms	Client Info		0	0	0
Âge du filtre	kms	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	11	12	10
Chrome	ppm	ASTM D5185(m)	>20	1	1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	<1	0
Argent	ppm	ASTM D5185(m)	>3	0	0	0
Aluminium	ppm	ASTM D5185(m)	>20	14	13	10
Plomb	ppm	ASTM D5185(m)	>40	0	0	<1
Cuivre	ppm	ASTM D5185(m)	>330	6	15	20
Étain	ppm	ASTM D5185(m)	>15	<1	1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

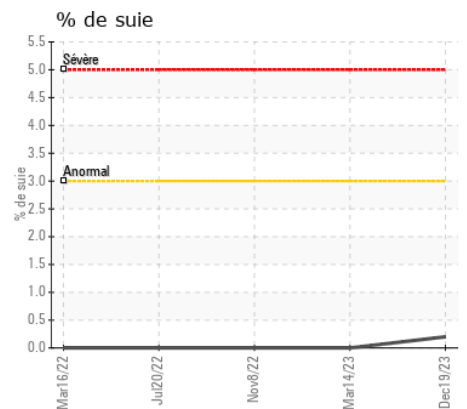
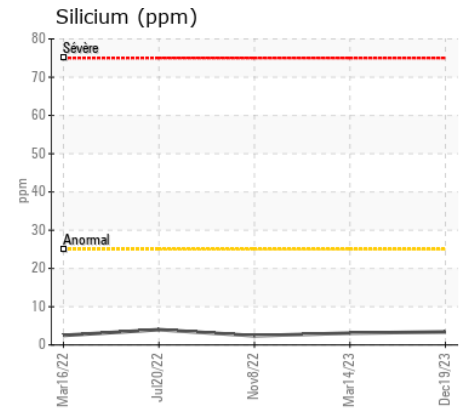
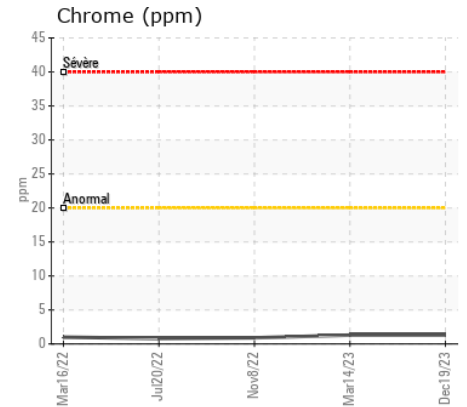
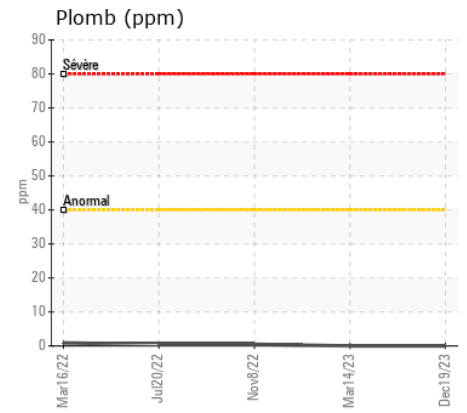
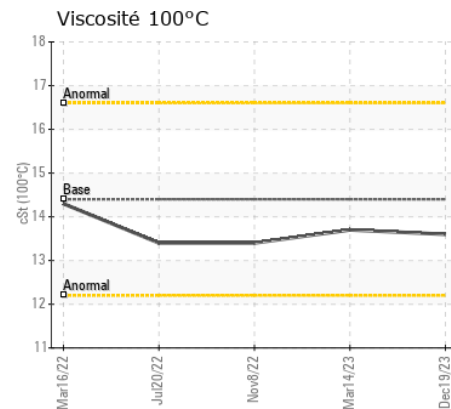
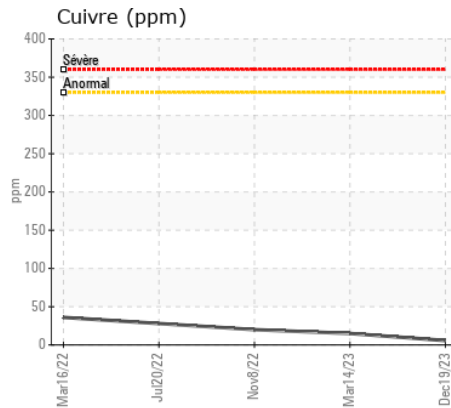
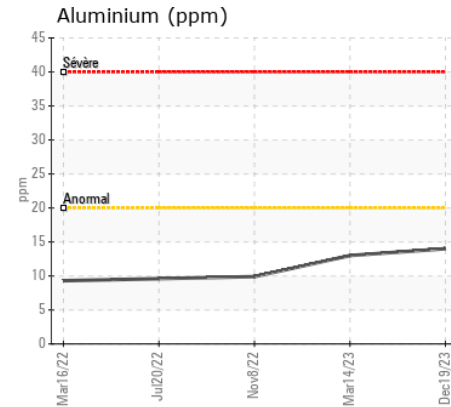
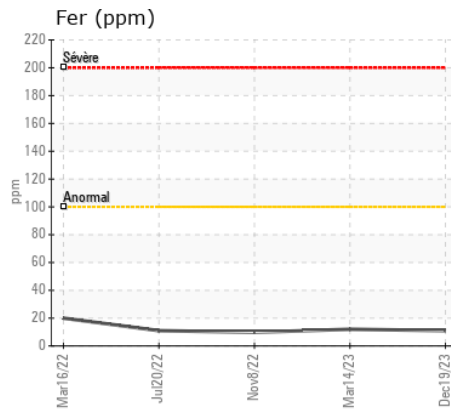
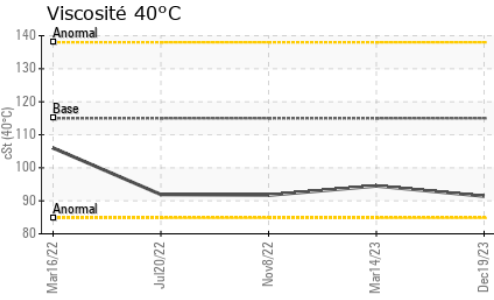
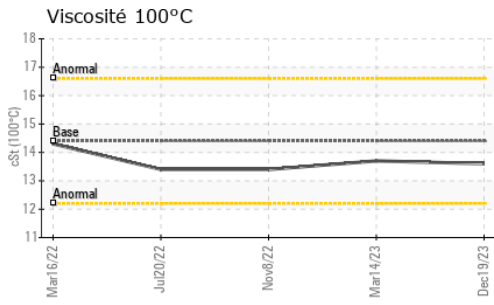
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	3	3	2
Potassium	ppm	ASTM D5185(m)	>20	23	19	16
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	0.2	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.5	6.9	6.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	18.6	20.8	20.3
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	VLITE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
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)	>158	1	2	2
Bore	ppm	ASTM D5185(m)	250	1	2	3
Baryum	ppm	ASTM D5185(m)	10	0	0	0
Molybdène	ppm	ASTM D5185(m)	100	58	57	56
Manganèse	ppm	ASTM D5185(m)		0	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	947	931	932
Calcium	ppm	ASTM D5185(m)	3000	1113	1158	1161
Phosphore	ppm	ASTM D5185(m)	1150	1004	1077	1071
Zinc	ppm	ASTM D5185(m)	1350	1175	1179	1181
Soufre	ppm	ASTM D5185(m)	4250	2674	2617	2566
Oxydation	Abs/.1mm	ASTM D7414*	>25	14.0	14.4	14.8
Visc 40°C	cSt	ASTM D7279(m)	115	91.4	94.5	91.7
Visc 100°C	cSt	ASTM D7279(m)	14.4	13.6	13.7	13.4
Indice de viscosité (VI)	Scale	ASTM D2270*	126	150	146	146



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.
N° d'échantillon : PC0077582 **Reçu** : 20 Dec 2023
N° de laboratoire : 02604339 **Diagnostiqué** : 20 Dec 2023
Numéro unique : 5697424 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: KV40, VI, Visual)

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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