



Secteur

MICHAUDVILLE

Identité de la machine

6546

Composant

Moteur diesel

Fluid

DIESEL ENGINE OIL SAE 5W40 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0083708	PC0078409	PC0067592
Date d'échant.		Client Info		16 Jan 2024	13 Sep 2023	19 Jan 2023
Âge d la Machine	hrs	Client Info		4271	4130	0
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.				ABNORMAL	ABNORMAL	MARGINAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	8	17	9
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	0	0	0
Aluminium	ppm	ASTM D5185(m)	>20	2	3	2
Plomb	ppm	ASTM D5185(m)	>40	0	<1	0
Cuivre	ppm	ASTM D5185(m)	>330	6	3	4
Étain	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	VLITE	VLITE	---
Bronze	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

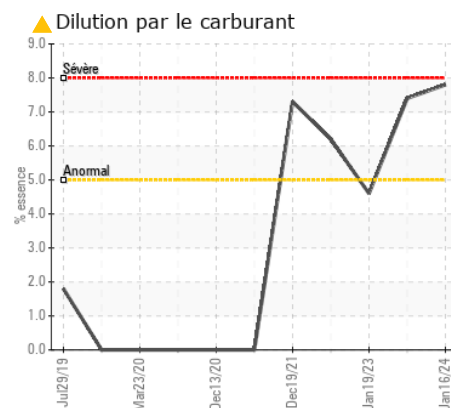
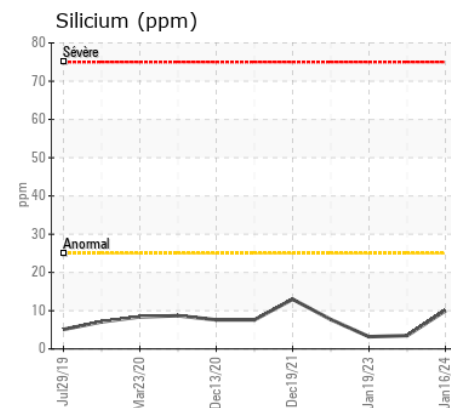
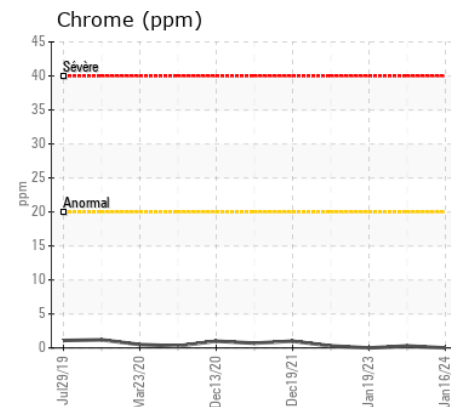
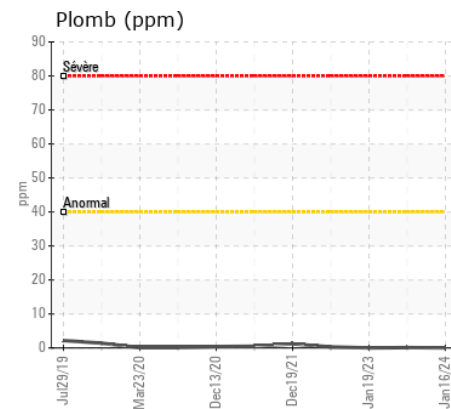
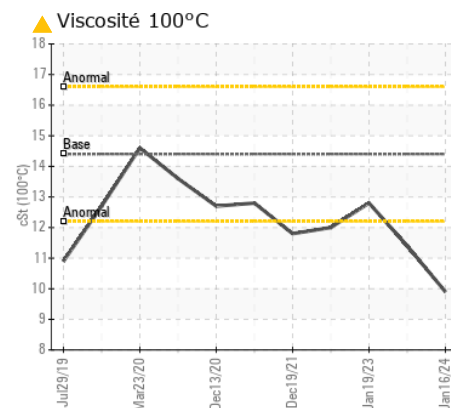
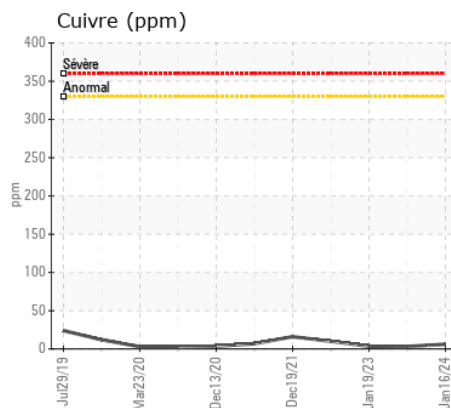
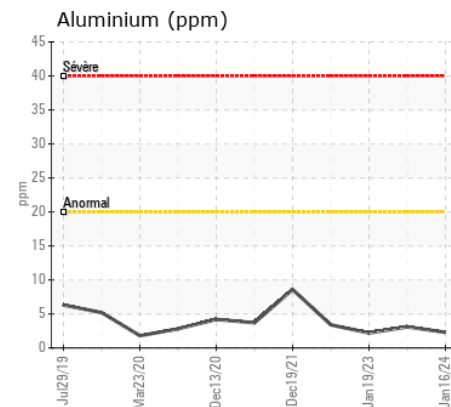
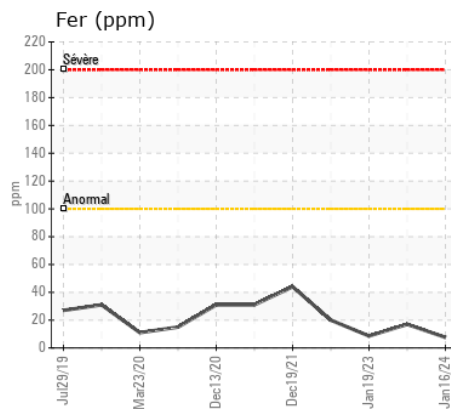
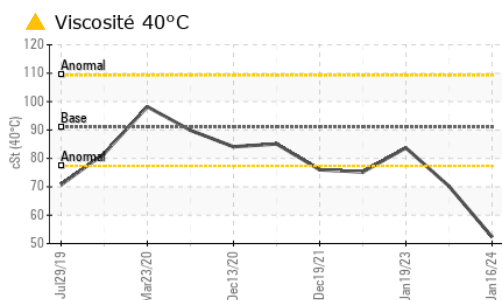
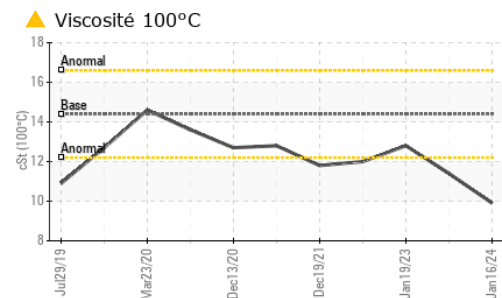
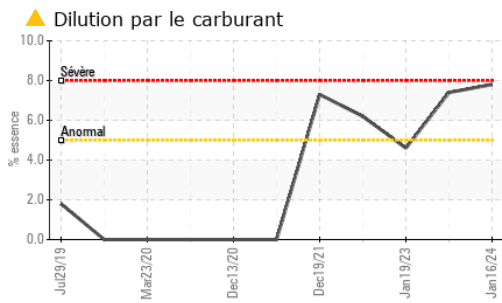
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicium	ppm	ASTM D5185(m)	>25	10	4	3
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
Essence	%	ASTM D7593*	>5	▲ 7.8	▲ 7.4	▲ 4.6
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	5.9	8.2	6.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	34.5	19.2	19.4
Limon	scalar	Visual*	NONE	NONE	NONE	---
Débris	scalar	Visual*	NONE	NONE	NONE	---
Saleté	scalar	Visual*	NONE	NONE	NONE	---
Apparence	scalar	Visual*	NORML	NORML	NORML	---
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>44	1	2	3
Bore	ppm	ASTM D5185(m)	250	2	3	2
Baryum	ppm	ASTM D5185(m)	10	0	0	0
Molybdène	ppm	ASTM D5185(m)	100	19	53	54
Manganèse	ppm	ASTM D5185(m)		0	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	309	891	878
Calcium	ppm	ASTM D5185(m)	3000	2125	1043	1090
Phosphore	ppm	ASTM D5185(m)	1150	929	947	996
Zinc	ppm	ASTM D5185(m)	1350	1082	1091	1106
Soufre	ppm	ASTM D5185(m)	4250	3069	2231	2492
Oxydation	Abs/.1mm	ASTM D7414*	>25	26.3	15.0	14.5
Visc 40°C	cSt	ASTM D7279(m)	91	▲ 52.3	▲ 70.2	83.7
Visc 100°C	cSt	ASTM D7279(m)	14.4	▲ 9.9	▲ 11.4	12.8
Indice de viscosité (VI)	Scale	ASTM D2270*	164	178	156	151



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**
N° d'échantillon : PC0083708 **Reçu** : 17 Jan 2024
N° de laboratoire : 02609246 **Diagnostiqué** : 18 Jan 2024
Numéro unique : 5710332 **Diagnostiqueur** : Kevin Marson
Analyse : MOB 1 (Additional Tests: KV40, PercentFuel, 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.