



USURE	NORMAL
CONTAMINATION	ANORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
MICHAUDVILLE

Identité de la machine

5519

Composant

Moteur diesel

Fluid

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

RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. 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		PC0084428	PC0065874	PC0053157
Date d'échant.		Client Info		26 Feb 2024	07 Dec 2022	31 Jan 2022
Âge d la Machine	hrs	Client Info		9720	9345	8951
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	NORMAL	ABNORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	76	73	38
Chrome	ppm	ASTM D5185(m)	>20	4	4	<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	<1
Aluminium	ppm	ASTM D5185(m)	>20	5	6	2
Plomb	ppm	ASTM D5185(m)	>40	12	19	2
Cuivre	ppm	ASTM D5185(m)	>330	9	3	53
Étain	ppm	ASTM D5185(m)	>15	5	1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

There is a moderate concentration of dirt present in the oil.

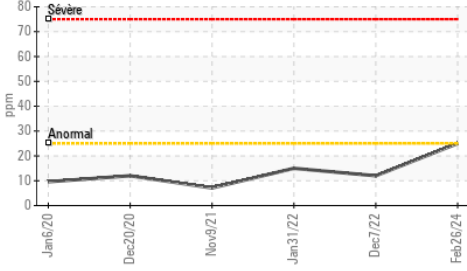
Silicium	ppm	ASTM D5185(m)	>25	▲ 25	12	15
Potassium	ppm	ASTM D5185(m)	>20	2	<1	8
Essence		WC Method	>5	<1.0	<1.0	1
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.2	0.3	0
Nitration	Abs/cm	ASTM D7624*	>20	8.6	9.8	3.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	21.5	23.2	21.4
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

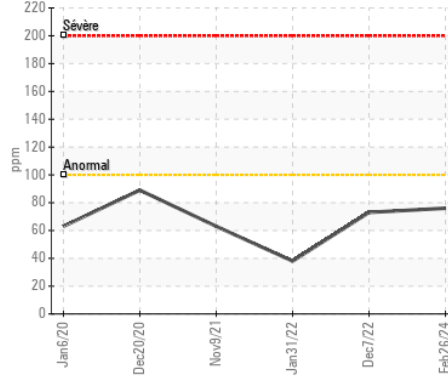
The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>44	14	3	2
Bore	ppm	ASTM D5185(m)	250	3	2	16
Baryum	ppm	ASTM D5185(m)	10	0	0	<1
Molybdène	ppm	ASTM D5185(m)	100	65	65	35
Manganèse	ppm	ASTM D5185(m)		<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	1055	1092	523
Calcium	ppm	ASTM D5185(m)	3000	1373	1288	2000
Phosphore	ppm	ASTM D5185(m)	1150	1094	1158	1020
Zinc	ppm	ASTM D5185(m)	1350	1320	1368	1177
Soufre	ppm	ASTM D5185(m)	4250	2659	2659	3299
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.5	19.3	13.7
Visc 40°C	cSt	ASTM D7279(m)	91	93.5	103	▲ 56.5
Visc 100°C	cSt	ASTM D7279(m)	14.4	13.7	14.7	▲ 9.3
Indice de viscosité (VI)	Scale	ASTM D2270*	164	148	147	146

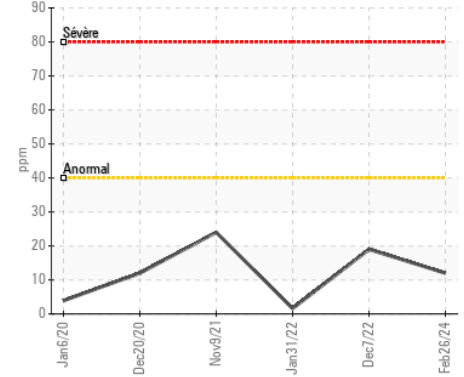
▲ Silicium (ppm)



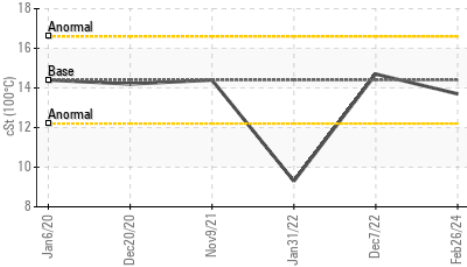
Fer (ppm)



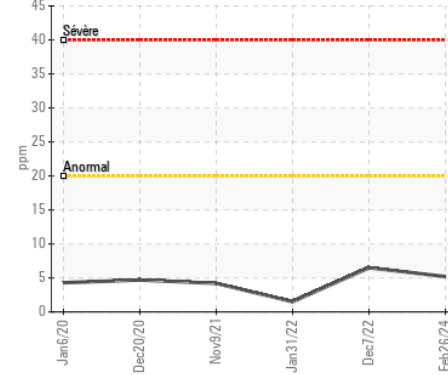
Plomb (ppm)



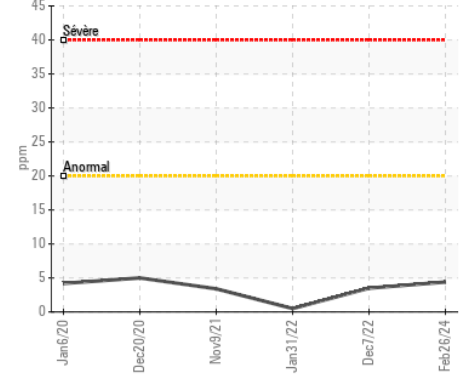
Viscosité 100°C



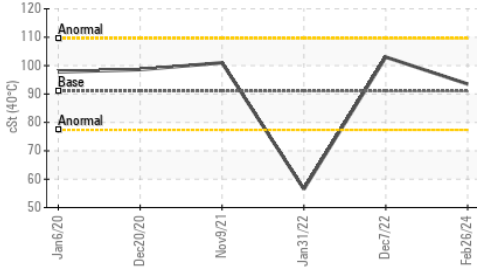
Aluminium (ppm)



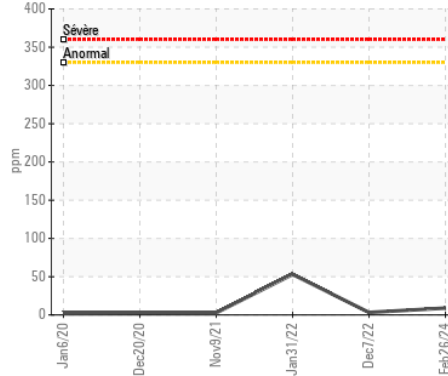
Chrome (ppm)



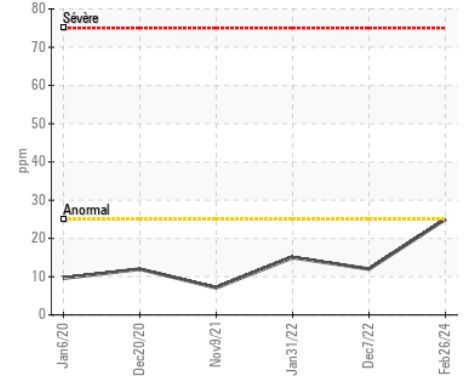
Viscosité 40°C



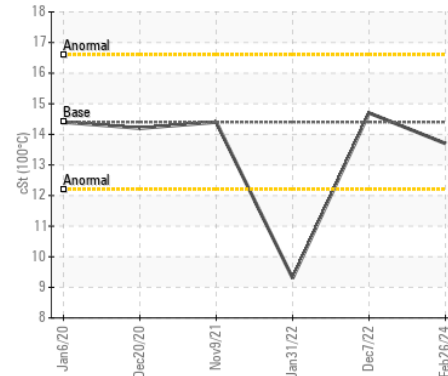
Cuivre (ppm)



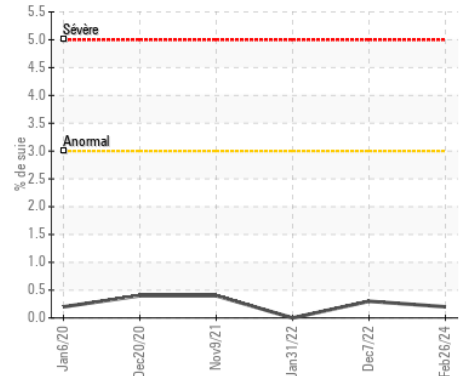
▲ Silicium (ppm)



Viscosité 100°C



% de suie



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

N° d'échantillon : PC0084428

N° de laboratoire : 02618281

Numéro unique : 5735391

Analyse : MOB 1 (Additional Tests: KV40, VI)

Reçu : 27 Feb 2024

Tested : 27 Feb 2024

Diagnostiqué : 27 Feb 2024 - Kevin Marson

LES ENTREPRISES MICHAUVILLE INC.

270 RUE BRUNET

MONT ST-HILAIRE, QC

CA J3H 0M6

Contact: Martin Trudel

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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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F: