



USURE	ANORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

F90305

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		PC0075917	PC0050884	PC0036622
Date d'échant.		Client Info		07 Jan 2024	10 Jan 2022	20 Jul 2021
Âge d la Machine	hrs	Client Info		2648	2015	1669
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	ABNORMAL

USURE

Nickel ppm levels are abnormal. Exhaust valve wear is indicated.

Fer	ppm	ASTM D5185(m)	>100	81	76	3
Chrome	ppm	ASTM D5185(m)	>20	1	1	0
Nickel	ppm	ASTM D5185(m)	>4	▲ 6	▲ 7	0
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	3	2	<1
Plomb	ppm	ASTM D5185(m)	>40	<1	<1	7
Cuivre	ppm	ASTM D5185(m)	>330	4	4	<1
Étain	ppm	ASTM D5185(m)	>15	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	---	NONE
Bronze	scalar	Visual*	NONE	NONE	---	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

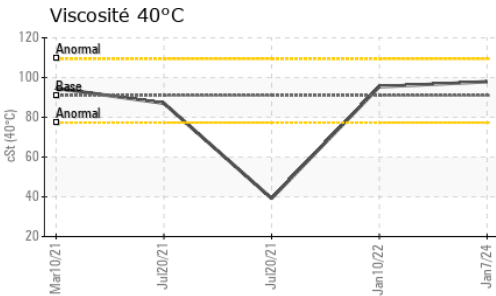
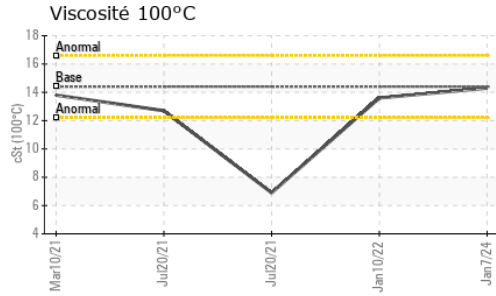
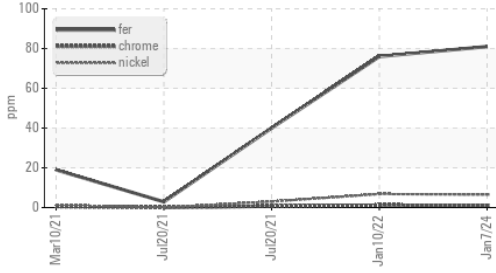
Silicium	ppm	ASTM D5185(m)	>25	4	5	2
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	2
Essence		WC Method	>5	<1.0	<1.0	0.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.1	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.4	4.1	3.5
Sulfatation	Abs/.1mm	ASTM D7415*	>30	18.3	14.6	18.1
Limon	scalar	Visual*	NONE	NONE	---	NONE
Débris	scalar	Visual*	NONE	NONE	---	NONE
Saleté	scalar	Visual*	NONE	VLITE	---	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

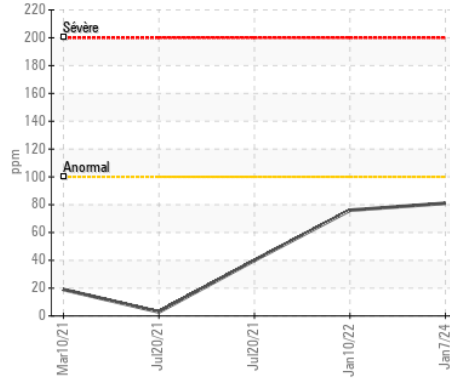
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)	>44	4	2	5
Bore	ppm	ASTM D5185(m)	250	2	2	<1
Baryum	ppm	ASTM D5185(m)	10	0	0	0
Molybdène	ppm	ASTM D5185(m)	100	59	58	<1
Manganèse	ppm	ASTM D5185(m)		<1	1	<1
Magnésium	ppm	ASTM D5185(m)	450	953	1001	5
Calcium	ppm	ASTM D5185(m)	3000	1064	1063	764
Phosphore	ppm	ASTM D5185(m)	1150	1000	1075	608
Zinc	ppm	ASTM D5185(m)	1350	1203	1230	655
Soufre	ppm	ASTM D5185(m)	4250	2710	2593	1708
Oxydation	Abs/.1mm	ASTM D7414*	>25	14.1	7.8	9.7
Visc 40°C	cSt	ASTM D7279(m)	91	97.9	95.4	▲ 39.2
Visc 100°C	cSt	ASTM D7279(m)	14.4	14.3	13.6	▲ 6.9
Indice de viscosité (VI)	Scale	ASTM D2270*	164	150	143	135

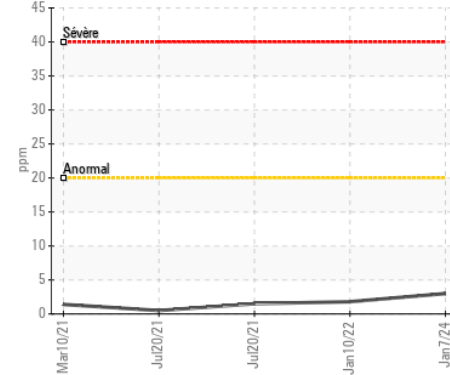
▲ **Alliages ferreux**



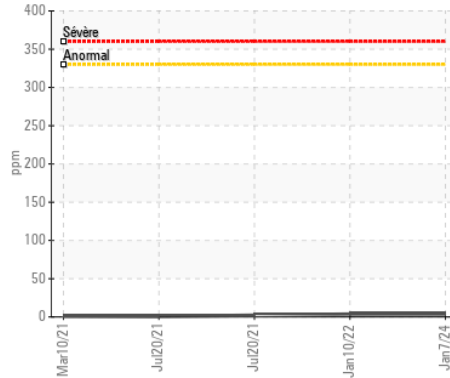
Fer (ppm)



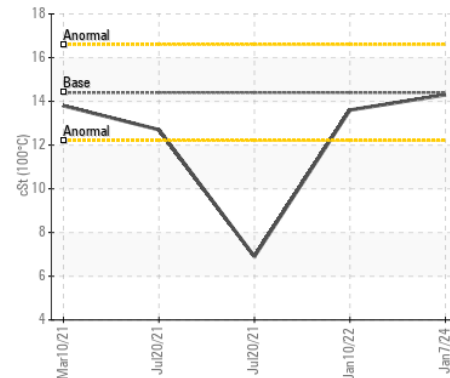
Aluminium (ppm)



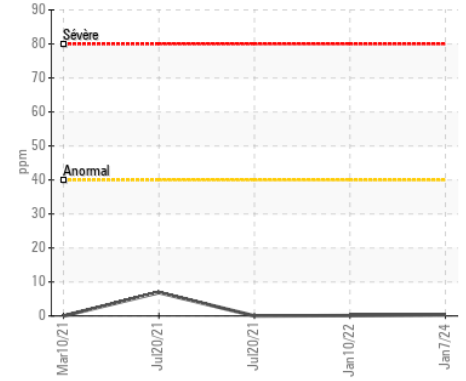
Cuivre (ppm)



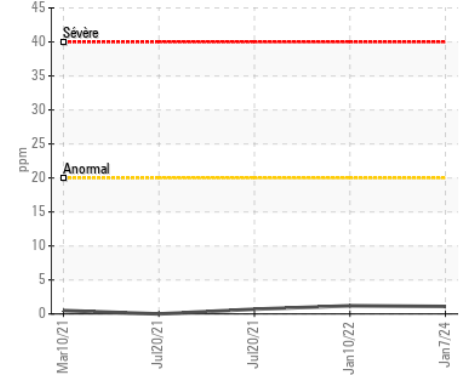
Viscosité 100°C



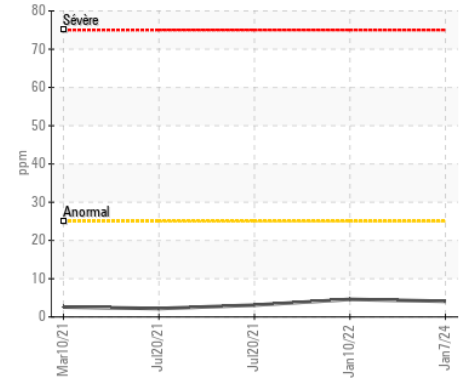
Plomb (ppm)



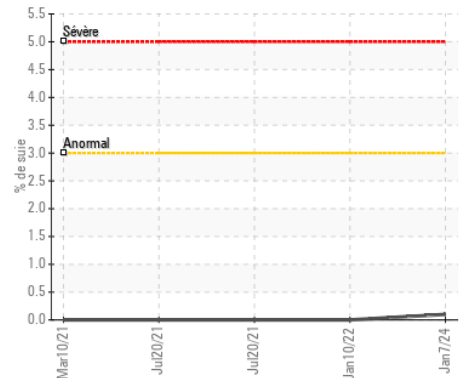
Chrome (ppm)



Silicium (ppm)



% de suie



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Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUDVILLE INC.**
N° d'échantillon : PC0075917 **Reçu** : 08 Jan 2024 270 RUE BRUNET
N° de laboratoire : 02606990 **Diagnostiqué** : 08 Jan 2024 MONT ST-HILAIRE, QC
Numéro unique : 5708076 **Diagnostiqueur** : Kevin Marson CA J3H 0M6
Analyse : MOB 1 (Additional Tests: KV40, VI, Visual)
 Contact: Martin Trudel
 mtrudel@michaudville.com

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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