



USURE

NORMAL

CONTAMINATION

ANORMAL

ÉTAT DU FLUIDE

NORMAL

Secteur

MICHAUDVILLE

Identité de la machine

1210

Composant

Moteur diesel

Fluid

DIESEL ENGINE OIL SAE 10W30 (--- 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		PC0084330	PC0082278	PC0057178
Date d'échant.		Client Info		17 Jun 2024	31 Oct 2023	24 Apr 2023
Âge d la Machine	kms	Client Info		470672	18459	17790
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.				ABNORMAL	ABNORMAL	ABNORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	17	63	27
Chrome	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	0	0
Titane	ppm	ASTM D5185(m)		<1	0	<1
Argent	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	5	10	3
Plomb	ppm	ASTM D5185(m)	>40	8	13	19
Cuivre	ppm	ASTM D5185(m)	>330	4	10	2
Étain	ppm	ASTM D5185(m)	>15	4	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	LIGHT	VLITE	---
Bronze	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

There is a moderate concentration of dirt present in the oil. Test for glycol is negative. The water content is negligible.

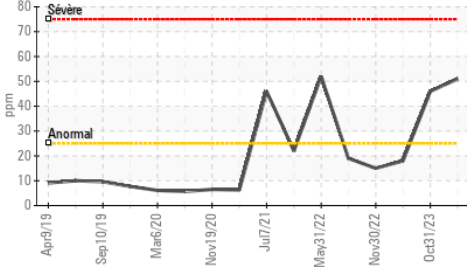
Silicium	ppm	ASTM D5185(m)	>25	▲ 51	46	18
Potassium	ppm	ASTM D5185(m)	>20	5	▲ 111	▲ 53
Essence		WC Method	>5	<1.0	<1.0	<1.0
Eau	%	ASTM D6304*	>0.2	0.038	---	---
ppm d'eau	ppm	ASTM D6304*	>2000	383	---	---
Glycol	%	ASTM D7922*		0.0	▲ 0.036	0.0
% de suie	%	ASTM D7844*	>3	0	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	8.5	14.4	10.8
Sulfatation	Abs/.1mm	ASTM D7415*	>30	19.6	22.9	21.4
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	.2%	NEG	NEG

ÉTAT DU FLUIDE

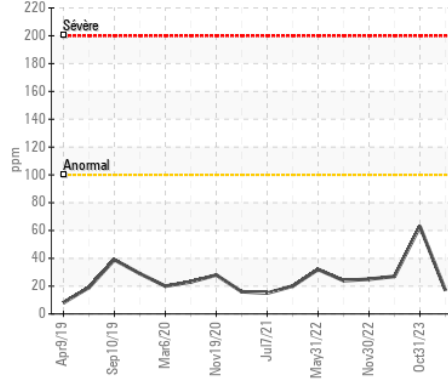
The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		76	● 1670	● 781
Bore	ppm	ASTM D5185(m)	250	39	11	8
Baryum	ppm	ASTM D5185(m)	10	2	<1	0
Molybdène	ppm	ASTM D5185(m)	100	80	185	108
Manganèse	ppm	ASTM D5185(m)		2	0	<1
Magnésium	ppm	ASTM D5185(m)	450	238	926	997
Calcium	ppm	ASTM D5185(m)	3000	1998	1059	1177
Phosphore	ppm	ASTM D5185(m)	1150	987	1037	1124
Zinc	ppm	ASTM D5185(m)	1350	1194	1168	1242
Soufre	ppm	ASTM D5185(m)	4250	2929	2652	2706
Oxydation	Abs/.1mm	ASTM D7414*	>25	15.2	17.7	17.4
Visc 40°C	cSt	ASTM D7279(m)	73	93.9	94.8	92.9
Visc 100°C	cSt	ASTM D7279(m)	10.9	13.3	13.9	13.3
Indice de viscosité (VI)	Scale	ASTM D2270*	138	141	149	143

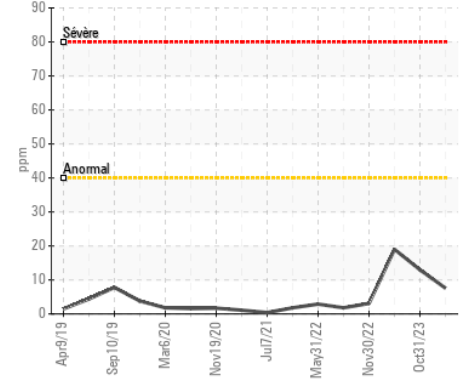
▲ Silicium (ppm)



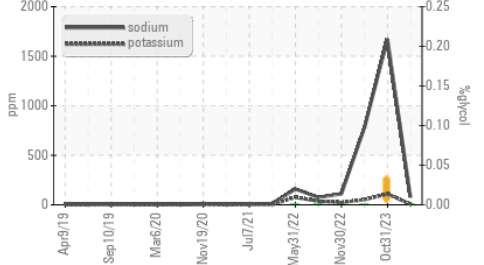
Fer (ppm)



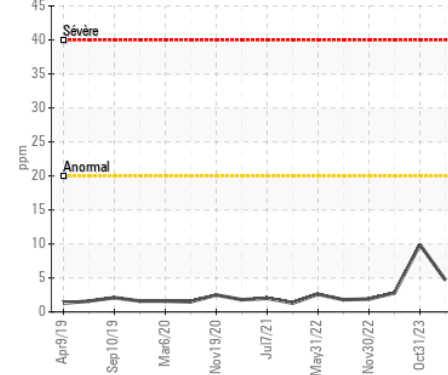
Plomb (ppm)



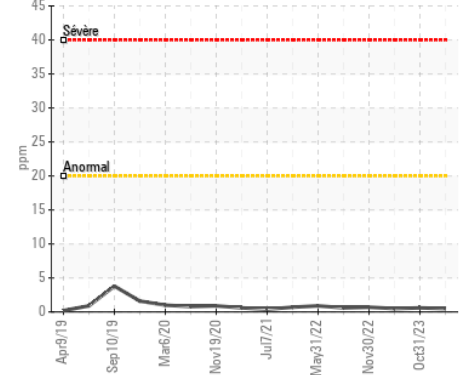
Contamination par le glycol



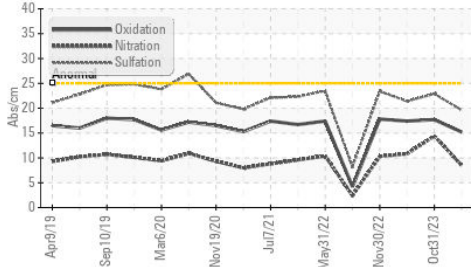
Aluminium (ppm)



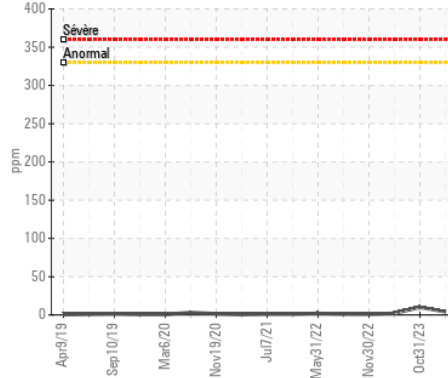
Chrome (ppm)



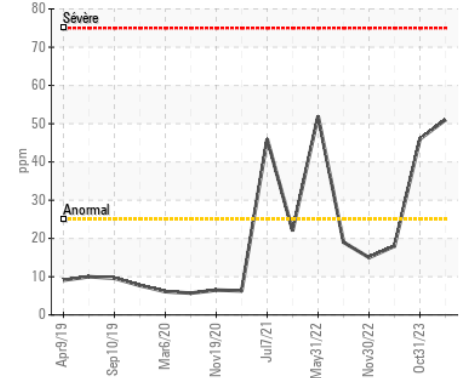
FT-IR (Direct Trend)



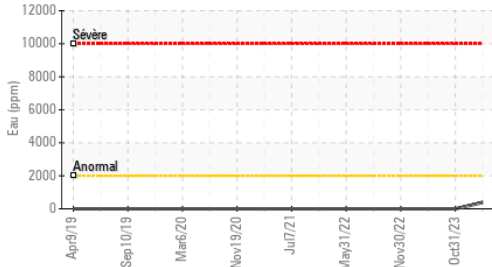
Cuivre (ppm)



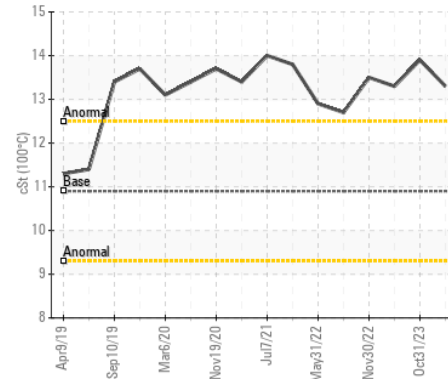
▲ Silicium (ppm)



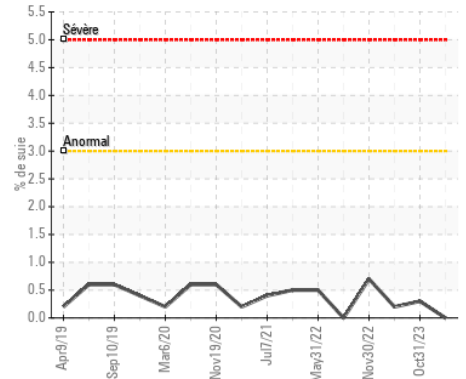
Eau (KF)



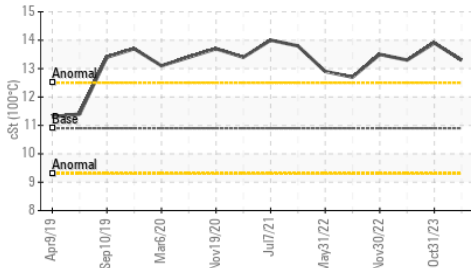
Viscosité 100°C



% de suie



Viscosité 100°C



ISO 17025:2017
Accredited
Laboratory

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

N° d'échantillon : PC0084330

N° de laboratoire : 02642491

Numéro unique : 5800030

Analyse : MOB 1 (Additional Tests: Glycol, KF, KV40, VI, Visual)

Reçu : 18 Jun 2024

Tested : 20 Jun 2024

Diagnostiqué : 20 Jun 2024 - Kevin Marson

LES ENTREPRISES MICHAUVILLE INC.

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MONT ST-HILAIRE, QC

CA J3H 0M6

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T:

F:

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.