



Secteur

MICHAUDVILLE

Identité de la machine

1210

Composant

Moteur diesel

Fluide

DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. 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		PC0082278	PC0057178	PC0064669
Date d'échant.		Client Info		31 Oct 2023	24 Apr 2023	30 Nov 2022
Âge d la Machine	hrs	Client Info		18459	17790	17341
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	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	63	27	25
Chrome	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	0
Titane	ppm	ASTM D5185(m)		0	<1	<1
Argent	ppm	ASTM D5185(m)	>3	<1	0	<1
Aluminium	ppm	ASTM D5185(m)	>20	10	3	2
Plomb	ppm	ASTM D5185(m)	>40	13	19	3
Cuivre	ppm	ASTM D5185(m)	>330	10	2	1
Étain	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	VLITE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

Test for glycol is positive. There is a light concentration of glycol present in the oil.

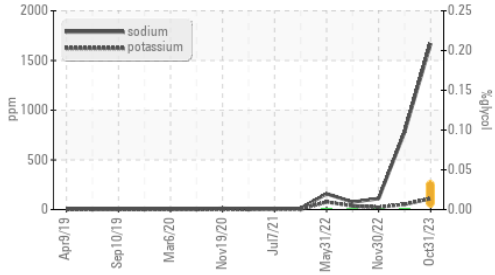
Silicium	ppm	ASTM D5185(m)	>25	46	18	15
Potassium	ppm	ASTM D5185(m)	>20	▲ 111	▲ 53	23
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol	%	ASTM D7922*		▲ 0.036	0.0	0.0
% de suie	%	ASTM D7844*	>3	0.3	0.2	0.7
Nitration	Abs/cm	ASTM D7624*	>20	14.4	10.8	10.3
Sulfatation	Abs/.1mm	ASTM D7415*	>30	22.9	21.4	23.4
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

ÉTAT DU FLUIDE

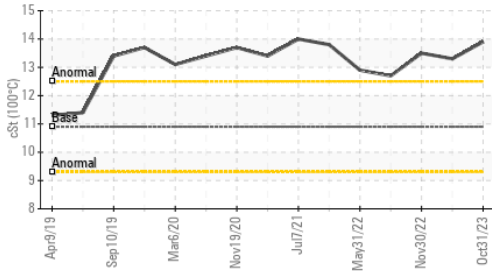
The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		▲ 1670	▲ 781	111
Bore	ppm	ASTM D5185(m)	250	11	8	4
Baryum	ppm	ASTM D5185(m)	10	<1	0	0
Molybdène	ppm	ASTM D5185(m)	100	185	108	69
Manganèse	ppm	ASTM D5185(m)		0	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	926	997	967
Calcium	ppm	ASTM D5185(m)	3000	1059	1177	1226
Phosphore	ppm	ASTM D5185(m)	1150	1037	1124	1117
Zinc	ppm	ASTM D5185(m)	1350	1168	1242	1243
Soufre	ppm	ASTM D5185(m)	4250	2652	2706	2677
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.7	17.4	17.8
Visc 40°C	cSt	ASTM D7279(m)	73	94.8	92.9	93.2
Visc 100°C	cSt	ASTM D7279(m)	10.9	13.9	13.3	13.5
Indice de viscosité (VI)	Scale	ASTM D2270*	138	149	143	145

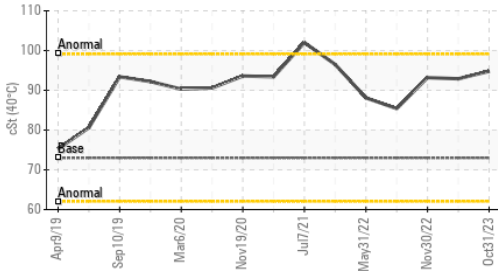
▲ Contamination par le glycol



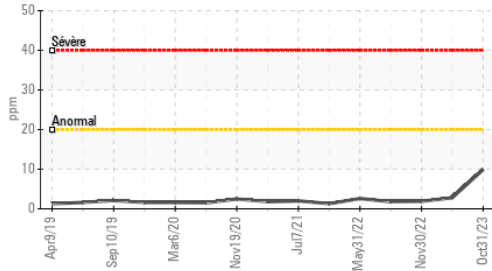
Viscosité 100°C



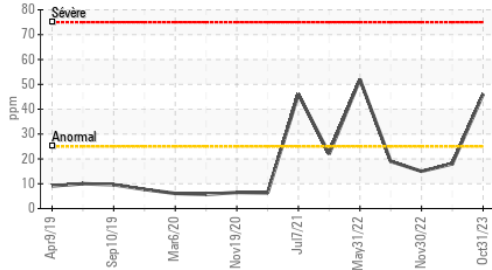
Viscosité 40°C



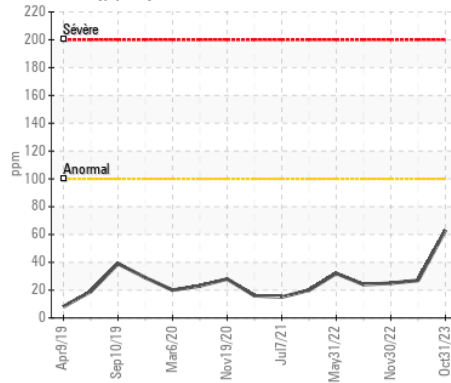
Aluminium (ppm)



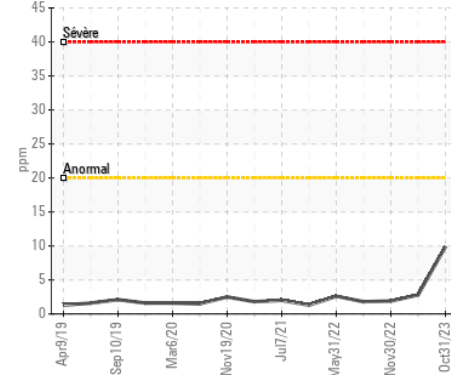
Silicium (ppm)



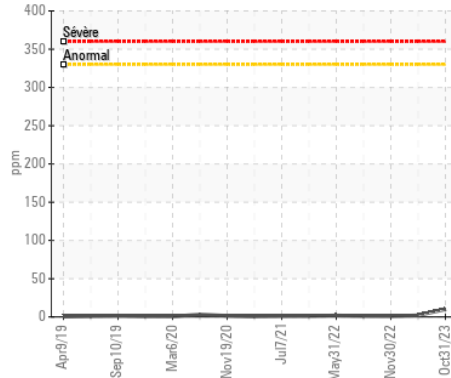
Fer (ppm)



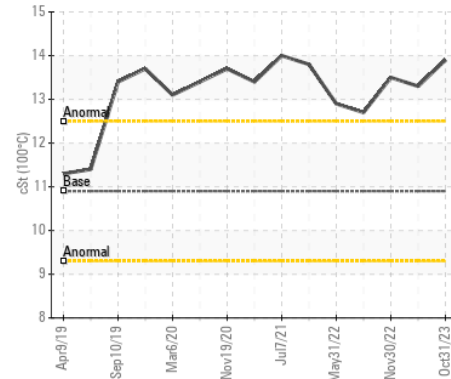
Aluminium (ppm)



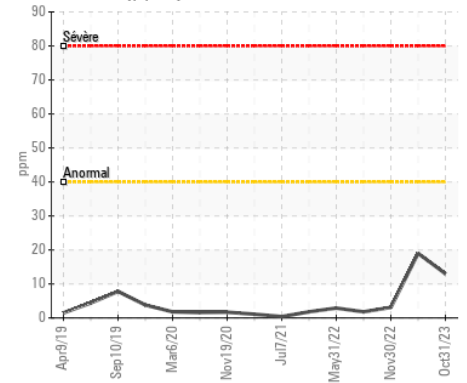
Cuivre (ppm)



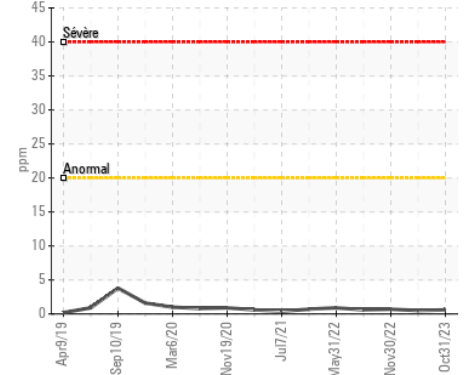
Viscosité 100°C



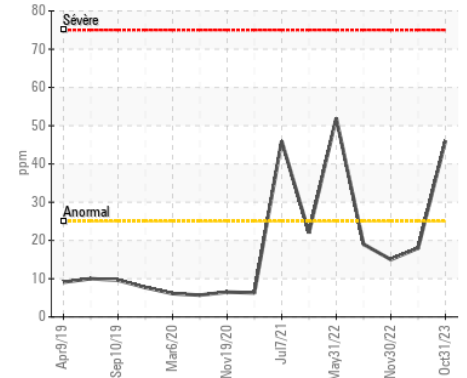
Plomb (ppm)



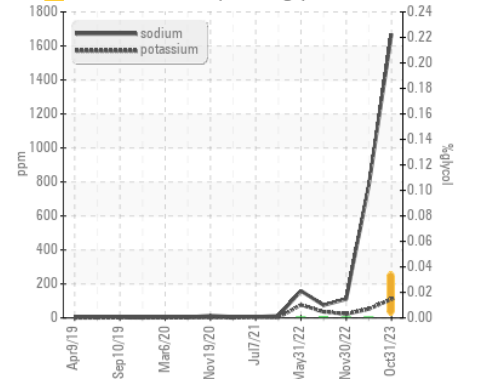
Chrome (ppm)



Silicium (ppm)



▲ Contamination par le glycol



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUVILLE INC.
N° d'échantillon : PC0082278 **Reçu** : 01 Nov 2023
N° de laboratoire : 02593187 **Diagnostiqué** : 02 Nov 2023
Numéro unique : 5670266 **Diagnostiqueur** : Kevin Marson
Analyse : MOB 1 (Additional Tests: Glycol, 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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