



USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Secteur
MICHAUDVILLE
Identité de la machine
76141

Composant
Moteur diesel
Fluid
DIESEL ENGINE OIL SAE 5W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0083754	PC0067803	PC0064730
Date d'échant.		Client Info		19 Feb 2024	18 Dec 2022	09 Jun 2022
Âge d la Machine	hrs	Client Info		12852	12108	11269
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.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>100	7	11	10
Chrome	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titane	ppm	ASTM D5185(m)		0	<1	<1
Argent	ppm	ASTM D5185(m)	>3	0	0	0
Aluminium	ppm	ASTM D5185(m)	>20	3	3	2
Plomb	ppm	ASTM D5185(m)	>40	<1	<1	0
Cuivre	ppm	ASTM D5185(m)	>330	2	2	2
Étain	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	VLITE	NONE	---
Bronze	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

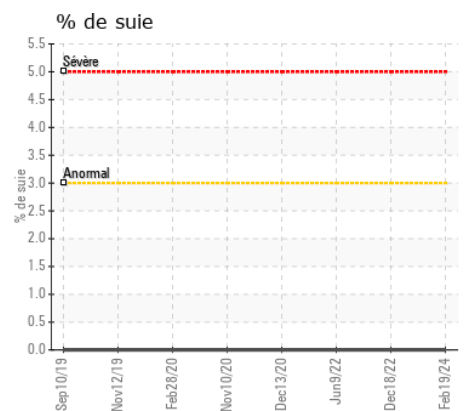
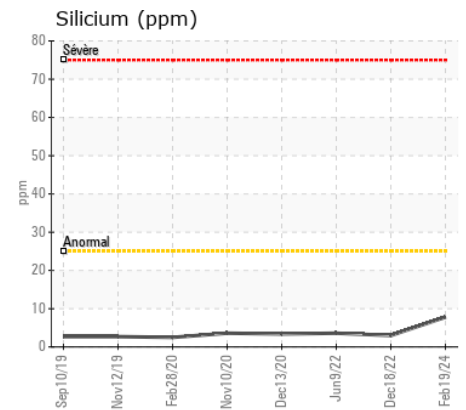
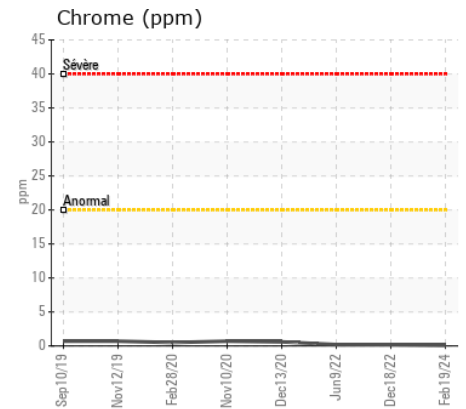
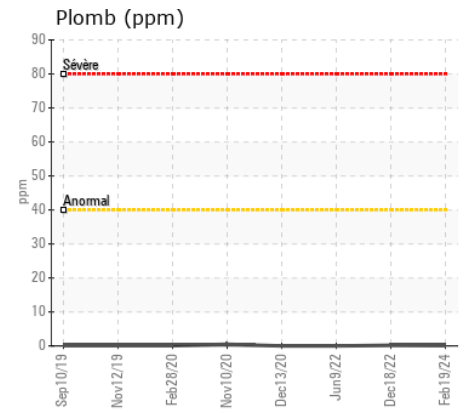
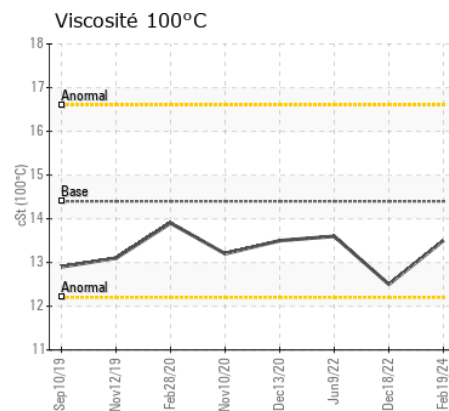
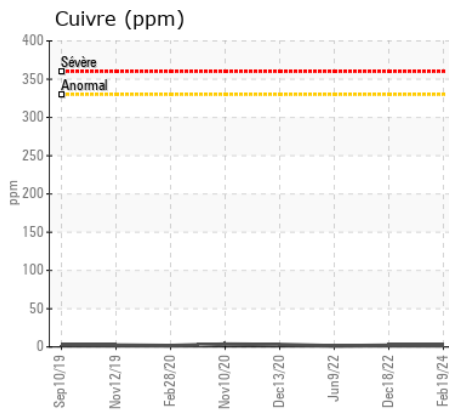
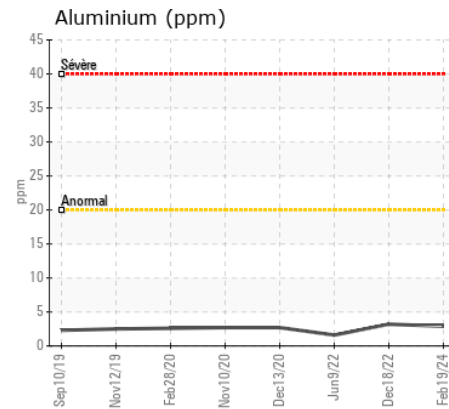
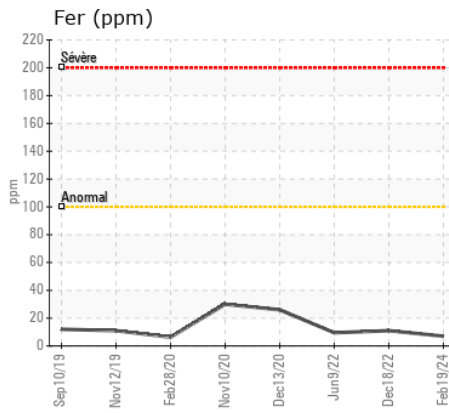
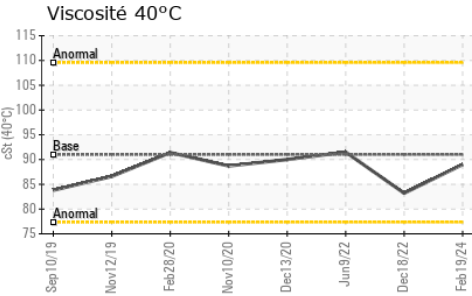
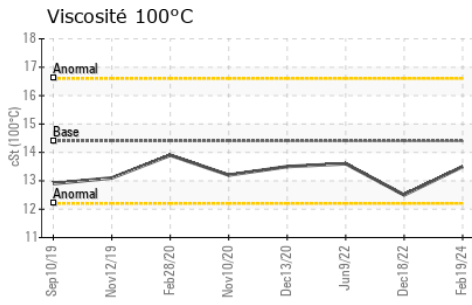
There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	8	3	4
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0
Essence		WC Method	>5	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.5	9.4	5.7
Sulfatation	Abs/.1mm	ASTM D7415*	>30	20.2	21.4	19.7
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

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>44	1	2	1
Bore	ppm	ASTM D5185(m)	250	2	4	3
Baryum	ppm	ASTM D5185(m)	10	0	0	0
Molybdène	ppm	ASTM D5185(m)	100	55	54	54
Manganèse	ppm	ASTM D5185(m)		0	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	923	935	970
Calcium	ppm	ASTM D5185(m)	3000	1260	1303	1039
Phosphore	ppm	ASTM D5185(m)	1150	1013	1072	1065
Zinc	ppm	ASTM D5185(m)	1350	1209	1269	1203
Soufre	ppm	ASTM D5185(m)	4250	2747	2582	2635
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.1	18.9	13.6
Visc 40°C	cSt	ASTM D7279(m)	91	89.0	83.2	91.5
Visc 100°C	cSt	ASTM D7279(m)	14.4	13.5	12.5	13.6
Indice de viscosité (VI)	Scale	ASTM D2270*	164	153	147	150



ISO 17025:2017
Accredited
Laboratory

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

N° d'échantillon : PC0083754

N° de laboratoire : 02616517

Numéro unique : 5733627

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

Reçu : 20 Feb 2024

Tested : 20 Feb 2024

Diagnostiqué : 20 Feb 2024 - Kevin Marson

LES ENTREPRISES MICHAUVILLE INC.

270 RUE BRUNET

MONT ST-HILAIRE, QC

CA J3H 0M6

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.

T:

F: