



Secteur

MICHAUDVILLE

Identité de la machine

76102

Composant

Moteur diesel

Fluide

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

We advise that you check for faulty combustion and a possible overheat condition. The oil is near the end of it's useful service life, recommend schedule an oil change. Please specify the component make and model with your next sample.

USURE

Metal levels are typical for a new component breaking in.

CONTAMINATION

There is an abnormal level of sulfation indicated.

ÉTAT DU FLUIDE

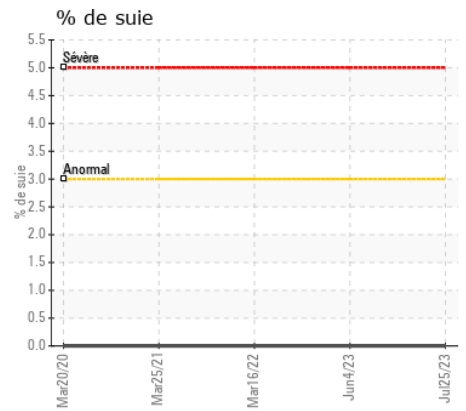
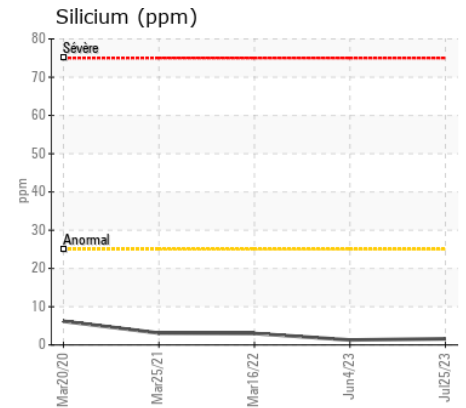
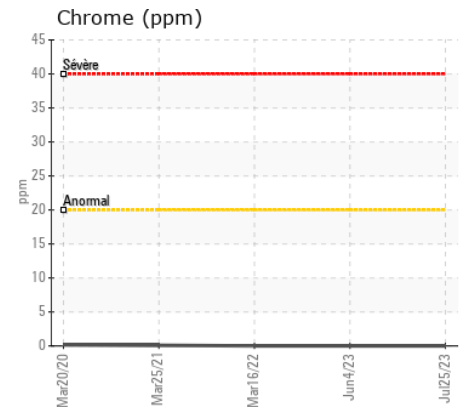
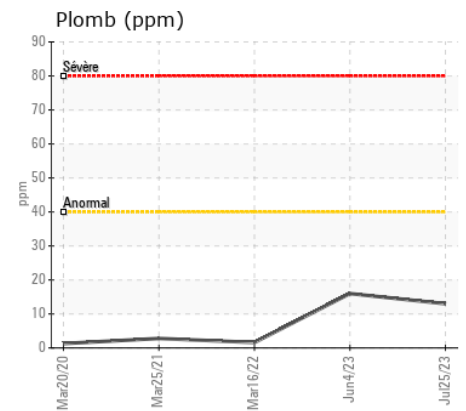
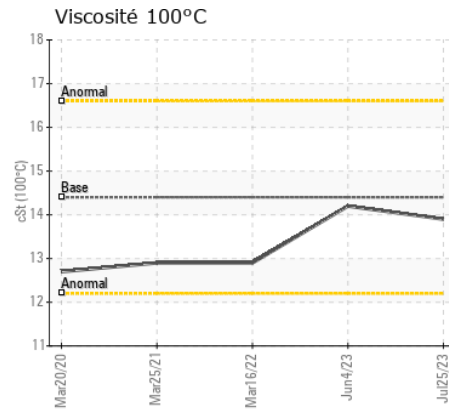
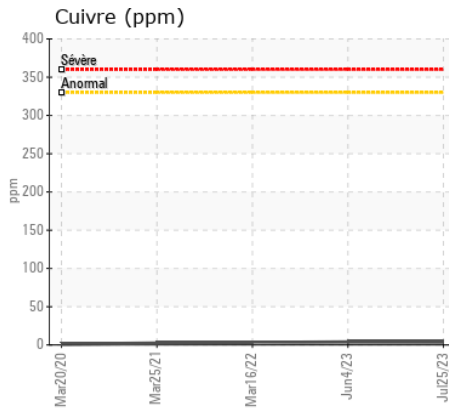
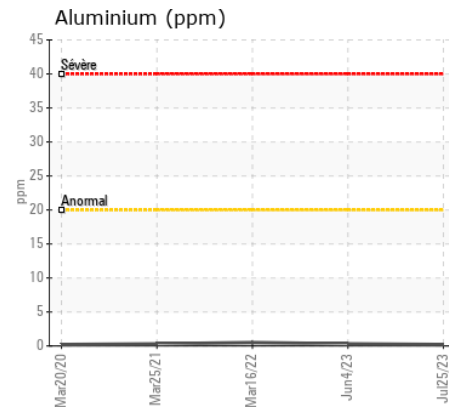
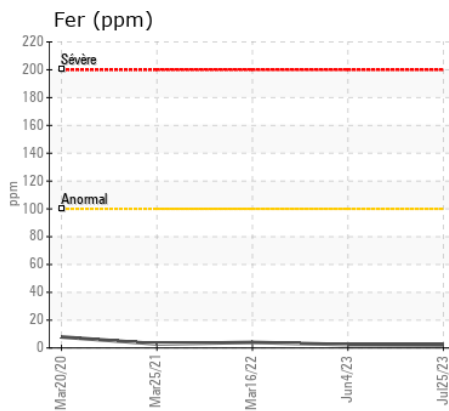
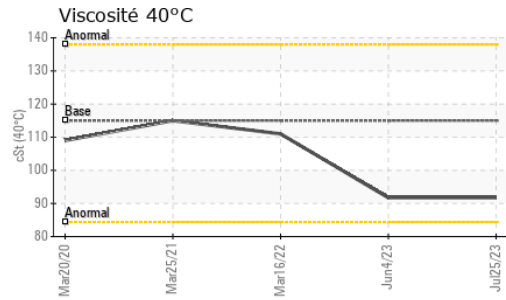
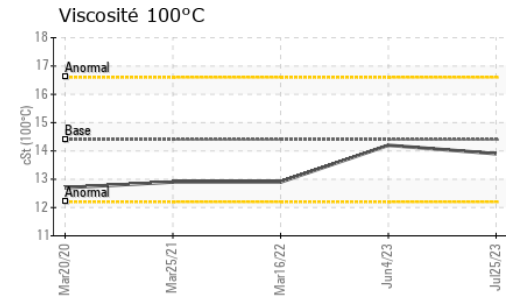
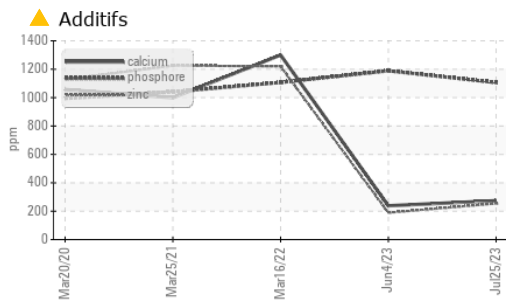
Oxidation levels are abnormally high. Sulfur ppm levels are abnormally low. Zinc ppm levels are abnormally low. Calcium ppm levels are abnormally low. A small degree of oil oxidation was indicated. The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0077639	PC0072146	PC0059719
Date d'échant.		Client Info		25 Jul 2023	04 Jun 2023	16 Mar 2022
Âge d la Machine	hrs	Client Info		329	328	318
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	MARGINAL

Fer	ppm	ASTM D5185(m)	>100	2	2	4
Chrome	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	0	1	0
Aluminium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Plomb	ppm	ASTM D5185(m)	>40	13	16	2
Cuivre	ppm	ASTM D5185(m)	>330	4	4	3
Étain	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	NONE	---	VLITE
Bronze	scalar	Visual*	NONE	NONE	---	NONE

Silicium	ppm	ASTM D5185(m)	>25	2	1	3
Potassium	ppm	ASTM D5185(m)	>20	<1	1	3
Essence		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	▲ 0.019
% de suie	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	3.8	3.5	3.6
Sulfatation	Abs/.1mm	ASTM D7415*	>30	▲ 34.4	▲ 42.5	14.6
Limon	scalar	Visual*	NONE	NONE	---	NONE
Débris	scalar	Visual*	NONE	VLITE	---	VLITE
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

Sodium	ppm	ASTM D5185(m)	>158	1	1	4
Bore	ppm	ASTM D5185(m)	250	168	193	2
Baryum	ppm	ASTM D5185(m)	10	0	0	0
Molybdène	ppm	ASTM D5185(m)	100	10	7	1
Manganèse	ppm	ASTM D5185(m)		0	0	<1
Magnésium	ppm	ASTM D5185(m)	450	174	127	731
Calcium	ppm	ASTM D5185(m)	3000	▲ 274	▲ 238	1300
Phosphore	ppm	ASTM D5185(m)	1150	1106	1189	1107
Zinc	ppm	ASTM D5185(m)	1350	▲ 254	▲ 189	1220
Soufre	ppm	ASTM D5185(m)	4250	▲ 875	▲ 764	4089
Oxydation	Abs/.1mm	ASTM D7414*	>25	▲ 36.9	▲ 48.1	7.0
Visc 40°C	cSt	ASTM D7279(m)	115	91.7	91.7	111
Visc 100°C	cSt	ASTM D7279(m)	14.4	13.9	14.2	12.9
Indice de viscosité (VI)	Scale	ASTM D2270*	126	155	159	110



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUDVILLE INC.**
N° d'échantillon : PC0077639 **Reçu** : 26 Jul 2023 270 RUE BRUNET
N° de laboratoire : 02572160 **Diagnostic** : 28 Jul 2023 MONT ST-HILAIRE, QC
Numéro unique : 5617211 **Diagnostic** : 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. T:
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F:
 La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.