



Identité de la machine

F55053

Composant

Moteur diesel

Fluid

DIESEL ENGINE OIL SAE 5W40 (--- 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.

USURE

Aluminum ppm levels are abnormal. Piston wear is indicated.

CONTAMINATION

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

ÉTAT DU FLUIDE

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

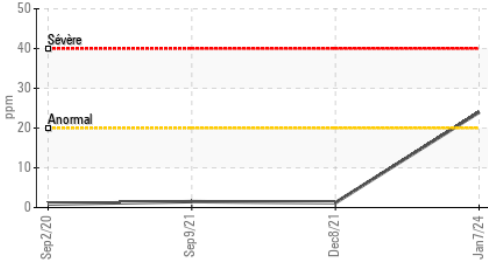
Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		PC0075915	PC0056873	PC0054219
Date d'échant.		Client Info		07 Jan 2024	08 Dec 2021	09 Sep 2021
Âge d la Machine	hrs	Client Info		3907	2629	2328
Âge de l'huile	hrs	Client Info		0	0	0
Âge du filtre	hrs	Client Info		0	0	0
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	NORMAL	NORMAL

Fer	ppm	ASTM D5185(m)	>100	41	7	10
Chrome	ppm	ASTM D5185(m)	>20	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	<1	<1	0
Aluminium	ppm	ASTM D5185(m)	>20	▲ 24	1	2
Plomb	ppm	ASTM D5185(m)	>40	<1	0	<1
Cuivre	ppm	ASTM D5185(m)	>330	16	1	3
Étain	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

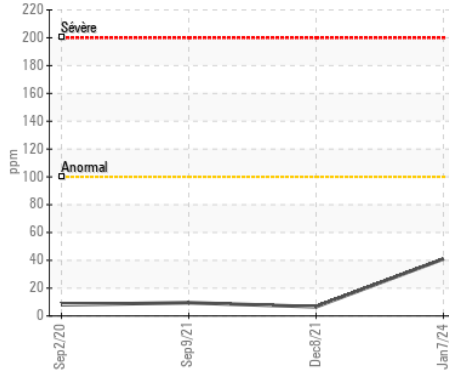
Silicium	ppm	ASTM D5185(m)	>25	8	6	12
Potassium	ppm	ASTM D5185(m)	>20	▲ 79	<1	<1
Essence		WC Method	>5	<1.0	<1.0	<1.0
L'eau		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		▲ 0.017	NEG	NEG
% de suie	%	ASTM D7844*	>3	0.1	0	0
Nitration	Abs/cm	ASTM D7624*	>20	9.8	6.7	7.2
Sulfatation	Abs/.1mm	ASTM D7415*	>30	18.9	19.7	18.9
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185(m)	>44	▲ 1069	2	2
Bore	ppm	ASTM D5185(m)	250	12	2	3
Baryum	ppm	ASTM D5185(m)	10	0	0	0
Molybdène	ppm	ASTM D5185(m)	100	157	57	57
Manganèse	ppm	ASTM D5185(m)		0	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	875	1036	1054
Calcium	ppm	ASTM D5185(m)	3000	1044	1100	1113
Phosphore	ppm	ASTM D5185(m)	1150	979	1041	1042
Zinc	ppm	ASTM D5185(m)	1350	1131	1234	1255
Soufre	ppm	ASTM D5185(m)	4250	2727	2560	2494
Oxydation	Abs/.1mm	ASTM D7414*	>25	14.6	14.7	15.1
Visc 40°C	cSt	ASTM D7279(m)	91	92.2	91.9	90.8
Visc 100°C	cSt	ASTM D7279(m)	14.4	13.7	13.5	13.3
Indice de viscosité (VI)	Scale	ASTM D2270*	164	150	148	146

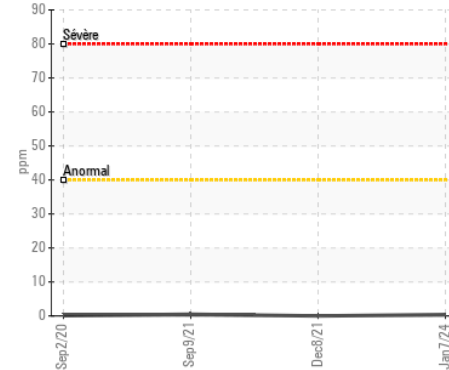
▲ Aluminium (ppm)



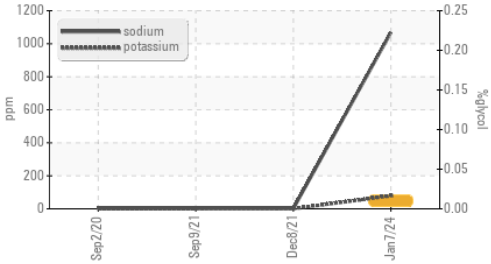
Fer (ppm)



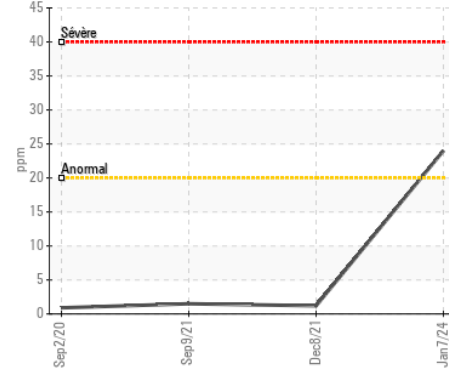
Plomb (ppm)



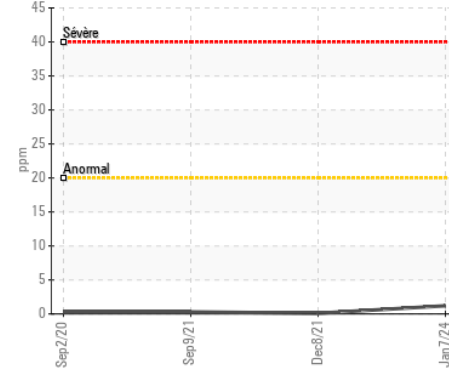
▲ Contamination par le glycol



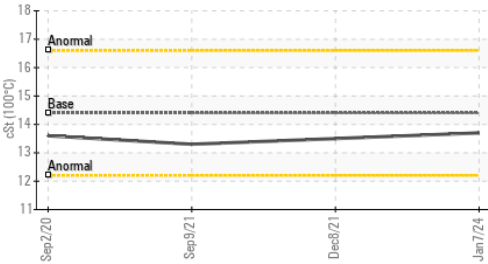
▲ Aluminium (ppm)



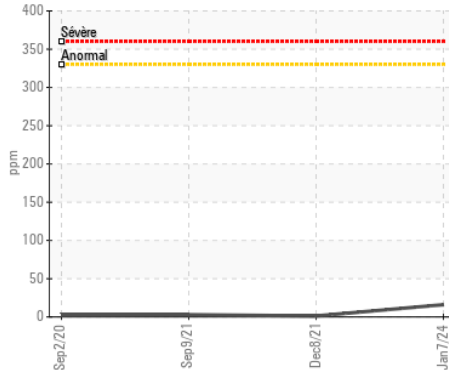
Chrome (ppm)



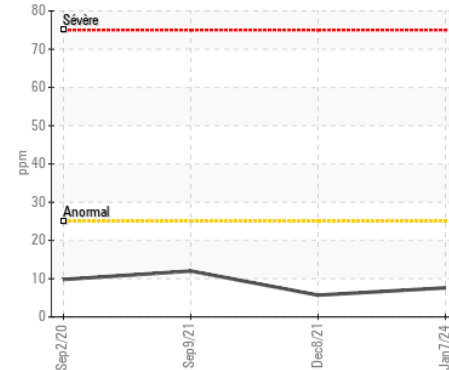
Viscosité 100°C



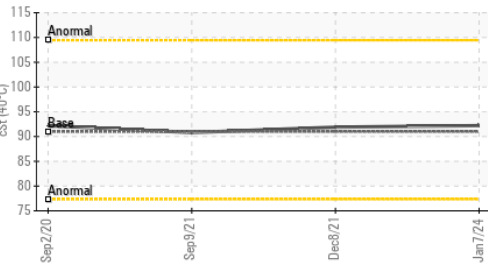
Cuivre (ppm)



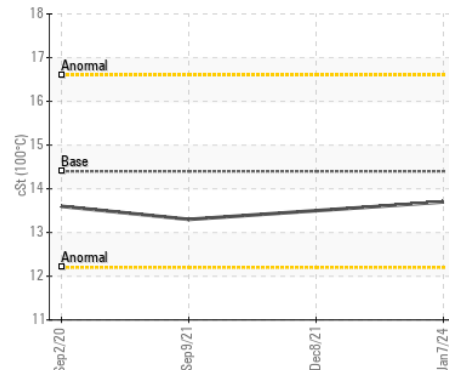
Silicium (ppm)



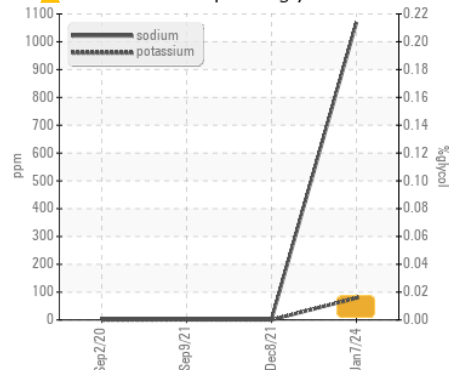
Viscosité 40°C



Viscosité 100°C



▲ Contamination par le glycol



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.
N° d'échantillon : PC0075915 **Reçu** : 08 Jan 2024
N° de laboratoire : 02606989 **Diagnostiqué** : 08 Jan 2024
Numéro unique : 5708075 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: Glycol, KV40, VI)

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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