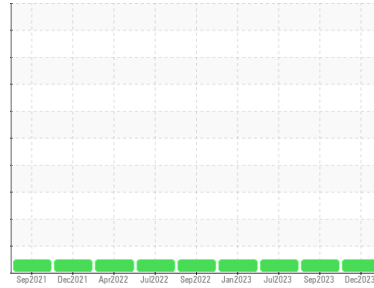


Secteur
MICHAUDVILLE
Identité de la machine
1227

Composant
Moteur diesel
Fluid

DIESEL ENGINE OIL SAE 5W40 (--- GAL)



DIAGNOSTIC

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Usure

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

État Du Fluide

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

INFORMATION SUR L'ÉCHANTILLON		methode	limite/base	actuel	passé1	passé2
Número d'échant.	Client Info			PC0076039	PC0082249	PC0077645
Date d'échant.	Client Info			17 Dec 2023	20 Sep 2023	25 Jul 2023
Âge d la Machine	hrs	Client Info		0	3825	3341
Âge de l'huile	hrs	Client Info		0	0	0
Huile changée	Client Info			N/A	N/A	N/A
Statut de l'échant.				NORMAL	NORMAL	NORMAL

CONTAMINATION		methode	limite/base	actuel	passé1	passé2
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

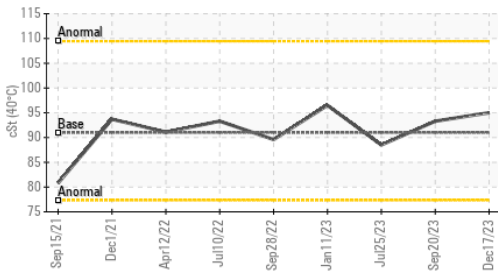
MÉTALUX D'USURE		methode	limite/base	actuel	passé1	passé2
Fer	ppm	ASTM D5185(m)	>100	10	9	10
Chrome	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titane	ppm	ASTM D5185(m)		0	0	0
Argent	ppm	ASTM D5185(m)	>3	<1	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	8	4	4
Plomb	ppm	ASTM D5185(m)	>40	<1	0	0
Cuivre	ppm	ASTM D5185(m)	>330	2	2	1
Étain	ppm	ASTM D5185(m)	>15	0	<1	<1
Antimoine	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Béryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIFS		methode	limite/base	actuel	passé1	passé2
Bore	ppm	ASTM D5185(m)	250	1	2	9
Baryum	ppm	ASTM D5185(m)	10	<1	0	0
Molybdène	ppm	ASTM D5185(m)	100	59	57	58
Manganèse	ppm	ASTM D5185(m)		0	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	966	948	938
Calcium	ppm	ASTM D5185(m)	3000	1105	1171	1091
Phosphore	ppm	ASTM D5185(m)	1150	988	1074	1015
Zinc	ppm	ASTM D5185(m)	1350	1203	1209	1154
Soufre	ppm	ASTM D5185(m)	4250	2500	2596	2541
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

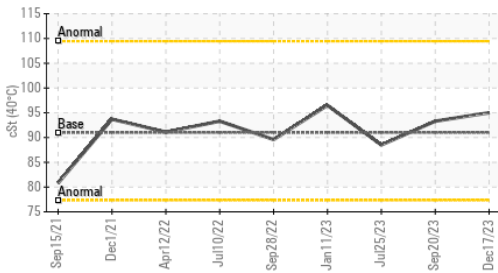
CONTAMINANTS		methode	limite/base	actuel	passé1	passé2
Silicium	ppm	ASTM D5185(m)	>25	10	10	10
Sodium	ppm	ASTM D5185(m)	>44	1	1	1
Potassium	ppm	ASTM D5185(m)	>20	14	8	7

INFRA-RED		methode	limite/base	actuel	passé1	passé2
% de suie	%	ASTM D7844*	>3	0.3	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	7.9	7.5	7.8
Sulfatation	Abs./1mm	ASTM D7415*	>30	19.2	20.3	19.0

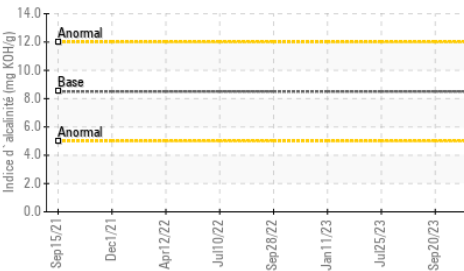
Viscosité 40°C



Viscosité 40°C



Indice d'alcalinité



FLUID DEGRADATION methode limite/base actuel passé1 passé2

Oxydation	Abs./1mm	ASTM D7414*	>25	15.3	15.7	14.4
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VISUEL methode limite/base actuel passé1 passé2

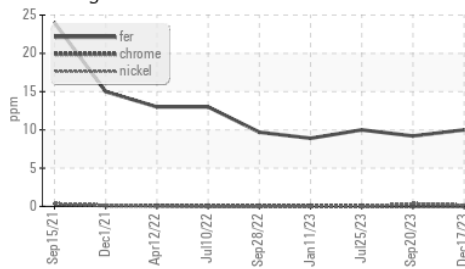
Métal blanc	scalar	Visual*	NONE	NONE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---
Préциpié	scalar	Visual*	NONE	NONE	---	---
Limon	scalar	Visual*	NONE	NONE	---	---
Débris	scalar	Visual*	NONE	NONE	---	---
Saleté	scalar	Visual*	NONE	NONE	---	---
Apparence	scalar	Visual*	NORML	NORML	---	---
Odeur	scalar	Visual*	NORML	NORML	NORML	NORML
Eau émulsifiée	scalar	Visual*	>0.2	NEG	NEG	NEG
Eau libre	scalar	Visual*		NEG	NEG	NEG

PROPRIÉTÉS DU FLUID methode limite/base actuel passé1 passé2

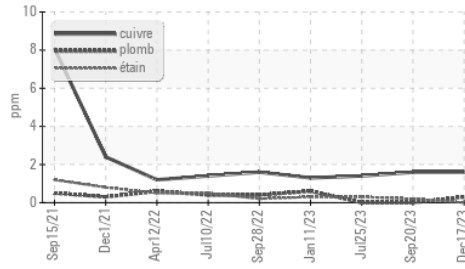
Visc 40°C	cSt	ASTM D7279(m)	91	95.0	93.3	88.5
Visc 100°C	cSt	ASTM D7279(m)	14.4	14.0	14.0	13.2
Indice de viscosité (VI)	Scale	ASTM D2270*	164	150	153	149

GRAPHIQUES

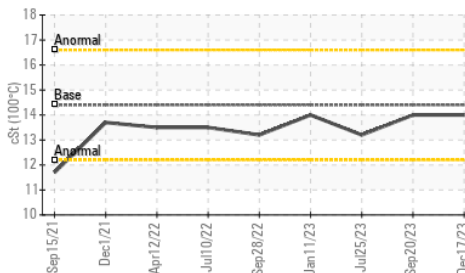
Alliages ferreux



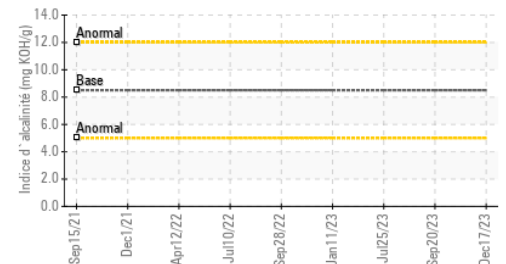
Métaux non-ferreux



Viscosité 100°C



Indice d'alcalinité



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**
N° d'échantillon : PC0076039 **Reçu** : 18 Dec 2023 270 RUE BRUNET
N° de laboratoire : 02603699 **Diagnostiqué** : 19 Dec 2023 MONT ST-HILAIRE, QC
Numéro unique : 5696784 **Diagnostiqueur** : Kevin Marson CA J3H 0M6
Analyse : IND 2 (Additional Tests: KV40, VI) Contact: Martin Trudel
 mtrudel@michauville.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: