



# RAPPORT D'ANALYSE D'HUILE

USURE	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
ÉTAT DU FLUIDE	<b>NORMAL</b>

Identité de la machine

**NAVISTAR 51947**

Composant

**Moteur diesel**

Fluid

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

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Numéro d'échant.		Client Info		<b>WC0890000</b>	WC0857919	WC0836025
Date d'échant.		Client Info		<b>28 Dec 2023</b>	11 Oct 2023	10 Aug 2023
Âge d la Machine	mls	Client Info		<b>159151</b>	29040	161719
Âge de l'huile	mls	Client Info		<b>29624</b>	29040	33218
Âge du filtre	mls	Client Info		<b>29624</b>	29040	33218
Huile changée		Client Info		<b>Changed</b>	Changed	Changed
Filtre changé		Client Info		<b>Changed</b>	Changed	Changed
Statut de l'échant.				<b>NORMAL</b>	NORMAL	NORMAL

## USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	<b>16</b>	13	19
Chrome	ppm	ASTM D5185(m)	>20	<b>1</b>	1	2
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	1
Titane	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Argent	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Aluminium	ppm	ASTM D5185(m)	>20	<b>7</b>	8	20
Plomb	ppm	ASTM D5185(m)	>40	<b>2</b>	2	2
Cuivre	ppm	ASTM D5185(m)	>330	<b>2</b>	1	2
Étain	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

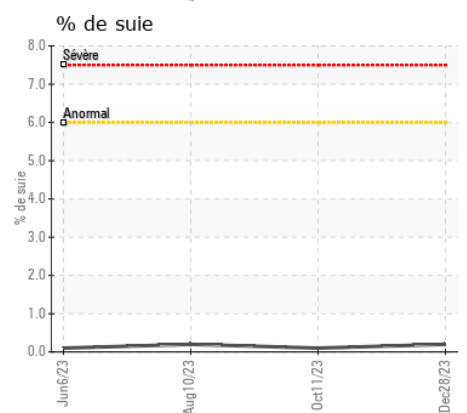
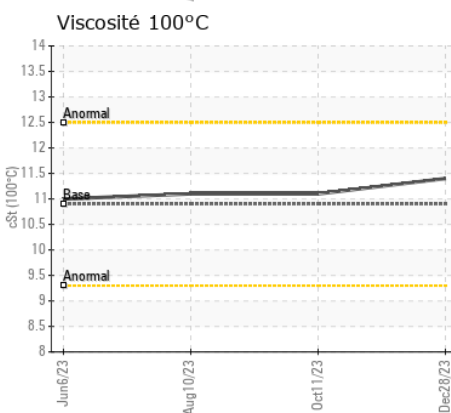
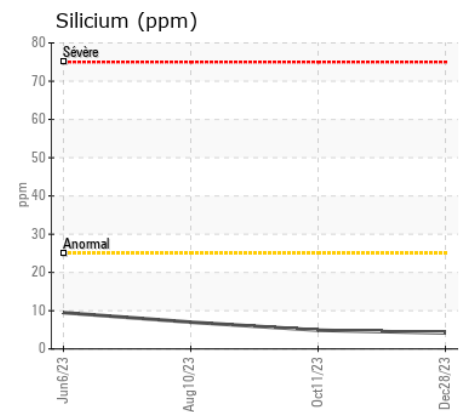
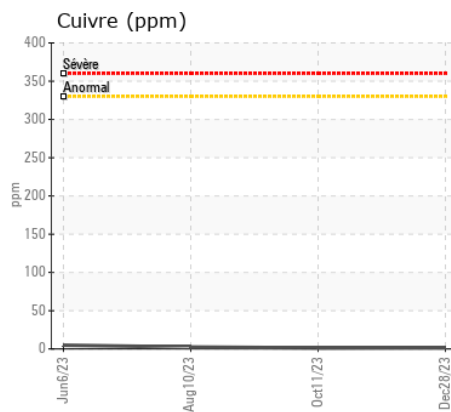
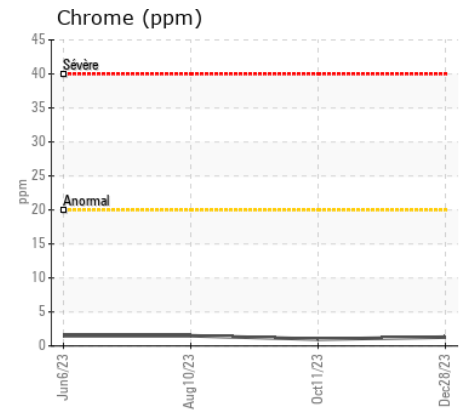
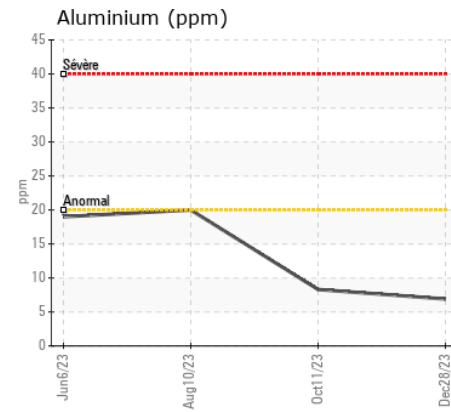
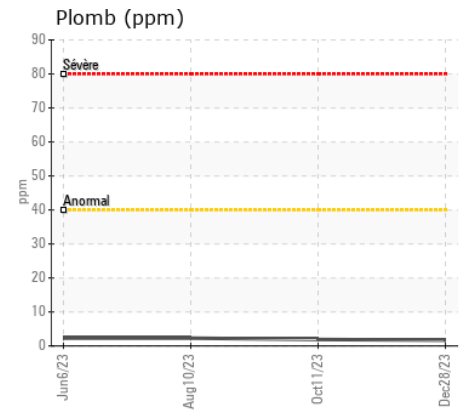
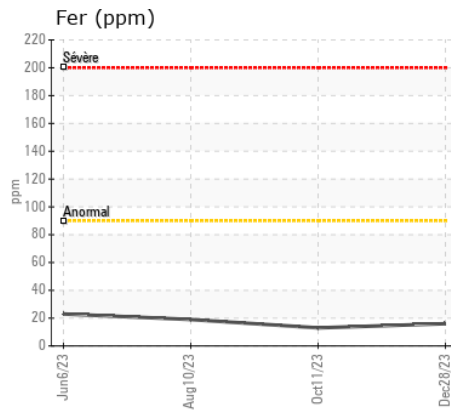
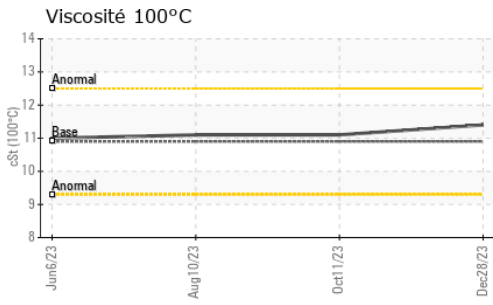
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	<b>4</b>	5	7
Potassium	ppm	ASTM D5185(m)	>20	<b>12</b>	42	52
Essence		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
L'eau		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	0.0	NEG
% de suie	%	ASTM D7844*	>6	<b>0.2</b>	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.0</b>	7.8	9.2
Sulfatation	Abs/.1mm	ASTM D7415*	>30	<b>20.1</b>	19.8	20.9
Eau émulsifiée	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)		<b>1</b>	2	2
Bore	ppm	ASTM D5185(m)	250	<b>1</b>	2	2
Baryum	ppm	ASTM D5185(m)	10	<b>0</b>	<1	<1
Molybdène	ppm	ASTM D5185(m)	100	<b>59</b>	59	60
Manganèse	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnésium	ppm	ASTM D5185(m)	450	<b>958</b>	962	972
Calcium	ppm	ASTM D5185(m)	3000	<b>1230</b>	1106	1115
Phosphore	ppm	ASTM D5185(m)	1150	<b>1003</b>	994	1014
Zinc	ppm	ASTM D5185(m)	1350	<b>1203</b>	1211	1233
Soufre	ppm	ASTM D5185(m)	4250	<b>2831</b>	2471	2397
Oxydation	Abs/.1mm	ASTM D7414*	>25	<b>16.2</b>	15.3	17.0
Visc 100°C	cSt	ASTM D7279(m)	10.9	<b>11.4</b>	11.1	11.1



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : WC0890000  
**N° de laboratoire** : 02610221  
**Numéro unique** : 5711307  
**Analyse** : MOB 1

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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.