



RAPPORT D'ANALYSE D'HUILE

USURE	NORMAL
CONTAMINATION	NORMAL
ÉTAT DU FLUIDE	NORMAL

Identité de la machine

52887

Composant

Moteur diesel

Fluide

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		WC0836007	WC0787332	WC0758582
Date d'échant.		Client Info		17 Jul 2023	24 Mar 2023	06 Nov 2022
Âge d la Machine	mls	Client Info		0	233436	199893
Âge de l'huile	mls	Client Info		34187	33537	30556
Âge du filtre	mls	Client Info		34187	33537	30556
Huile changée		Client Info		Changed	Changed	Changed
Filtre changé		Client Info		Changed	Changed	Changed
Statut de l'échant.				NORMAL	NORMAL	NORMAL

USURE

All component wear rates are normal.

Fer	ppm	ASTM D5185(m)	>90	24	22	20
Chrome	ppm	ASTM D5185(m)	>20	2	1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titane	ppm	ASTM D5185(m)	>2	0	<1	<1
Argent	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminium	ppm	ASTM D5185(m)	>20	6	4	4
Plomb	ppm	ASTM D5185(m)	>40	4	3	5
Cuivre	ppm	ASTM D5185(m)	>330	2	2	1
Étain	ppm	ASTM D5185(m)	>15	<1	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Métal blanc	scalar	Visual*	NONE	VLITE	---	---
Bronze	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

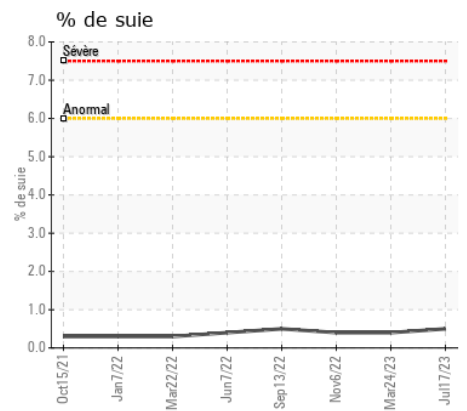
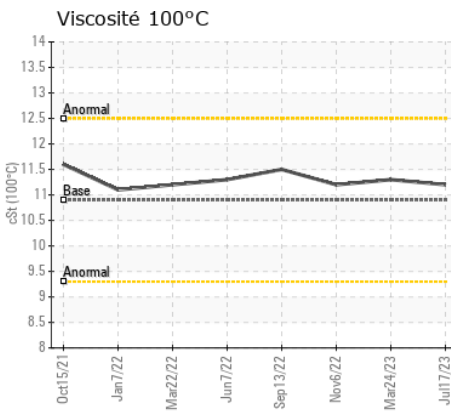
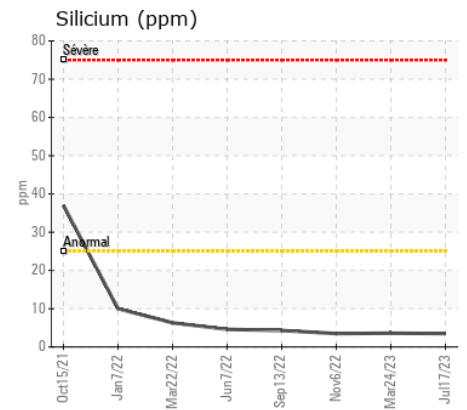
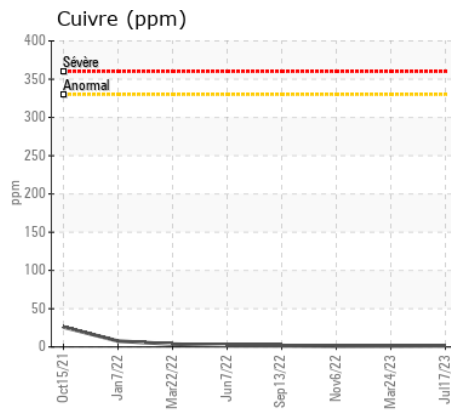
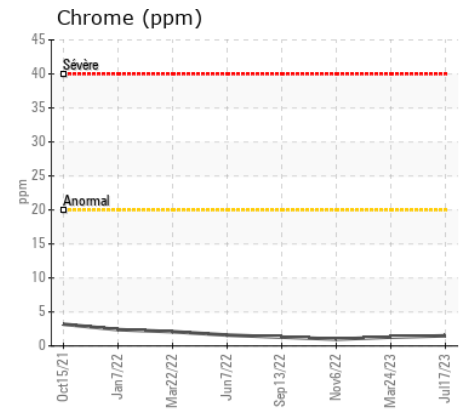
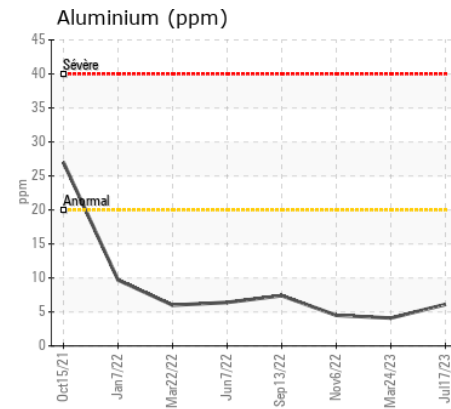
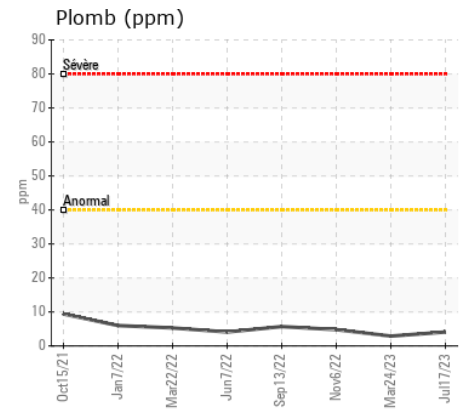
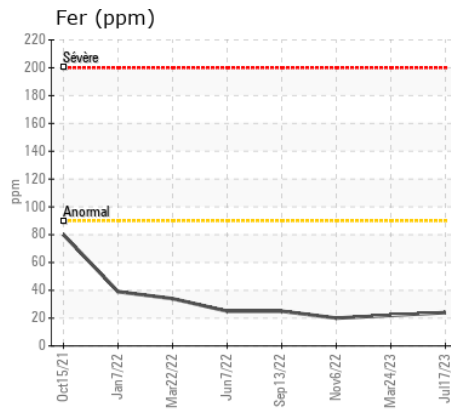
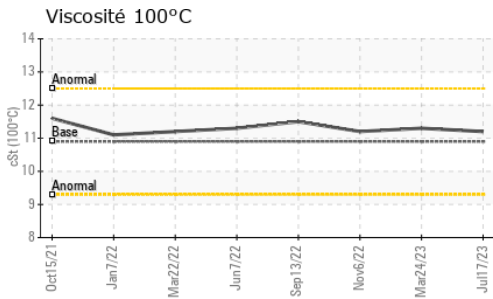
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicium	ppm	ASTM D5185(m)	>25	4	4	4
Potassium	ppm	ASTM D5185(m)	>20	13	3	7
Essence		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
% de suie	%	ASTM D7844*	>6	0.5	0.4	0.4
Nitration	Abs/cm	ASTM D7624*	>20	10.5	9.2	9.8
Sulfatation	Abs/.1mm	ASTM D7415*	>30	22.5	20.7	22.5
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

ÉTAT DU FLUIDE

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

Sodium	ppm	ASTM D5185(m)		2	2	1
Bore	ppm	ASTM D5185(m)	250	4	2	1
Baryum	ppm	ASTM D5185(m)	10	0	0	0
Molybdène	ppm	ASTM D5185(m)	100	62	61	60
Manganèse	ppm	ASTM D5185(m)		<1	<1	<1
Magnésium	ppm	ASTM D5185(m)	450	991	979	982
Calcium	ppm	ASTM D5185(m)	3000	1072	1189	1121
Phosphore	ppm	ASTM D5185(m)	1150	1076	1107	1079
Zinc	ppm	ASTM D5185(m)	1350	1216	1239	1194
Soufre	ppm	ASTM D5185(m)	4250	2476	2627	2507
Oxydation	Abs/.1mm	ASTM D7414*	>25	17.3	16.6	17.4
Visc 100°C	cSt	ASTM D7279(m)	10.9	11.2	11.3	11.2



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : WC0836007
N° de laboratoire : 02579615
Numéro unique : 5632675
Analyse : MOB 1 (Additional Tests: Visual)

Reçu : 31 Aug 2023
Diagnostiqué : 31 Aug 2023
Diagnostiqueur : Wes Davis

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Pour discuter cette 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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