



Machine Id
514011
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (--- LTR)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0082185	PC0082001	---
Sample Date		Client Info		27 Mar 2024	11 Jan 2024	---
Machine Age	kms	Client Info		57294	27102	---
Oil Age	kms	Client Info		0	0	---
Filter Age	kms	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>120	59	36	---
Chromium	ppm	ASTM D5185(m)	>20	1	<1	---
Nickel	ppm	ASTM D5185(m)	>5	3	3	---
Titanium	ppm	ASTM D5185(m)	>2	<1	0	---
Silver	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	15	12	---
Lead	ppm	ASTM D5185(m)	>40	3	5	---
Copper	ppm	ASTM D5185(m)	>330	163	233	---
Tin	ppm	ASTM D5185(m)	>15	5	4	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

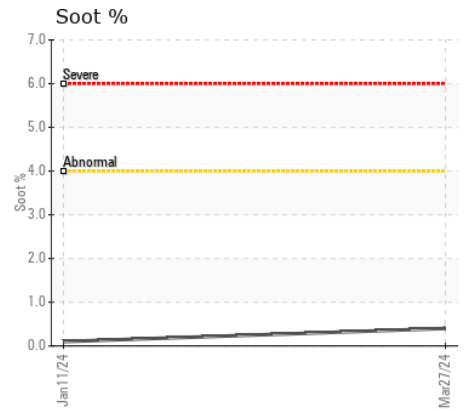
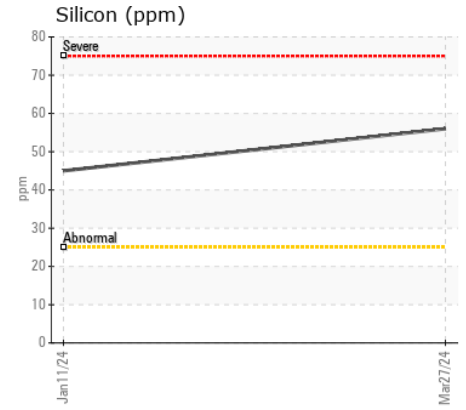
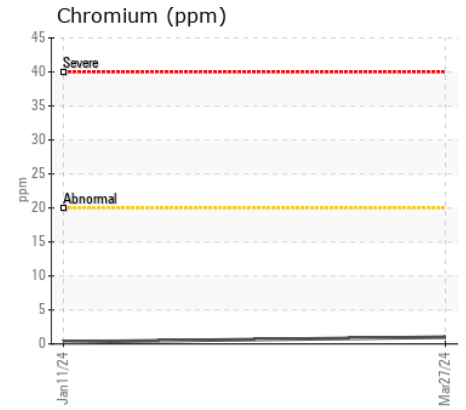
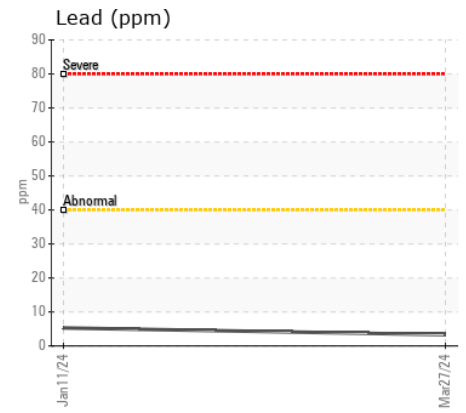
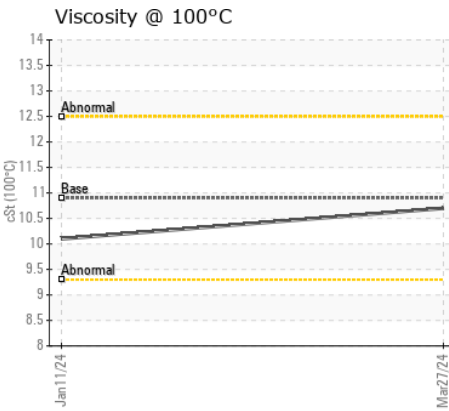
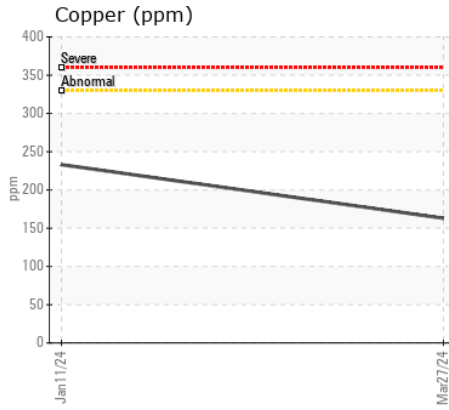
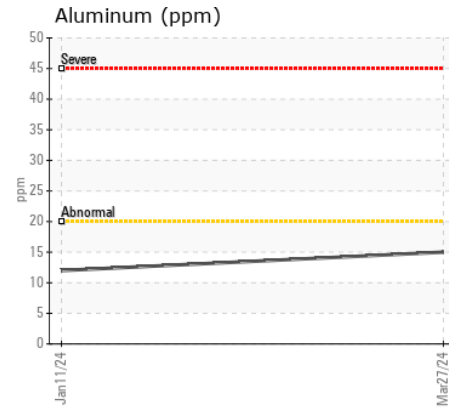
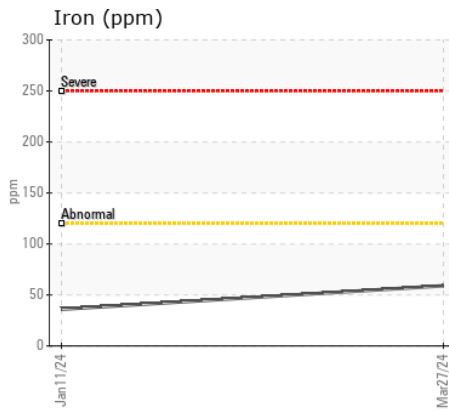
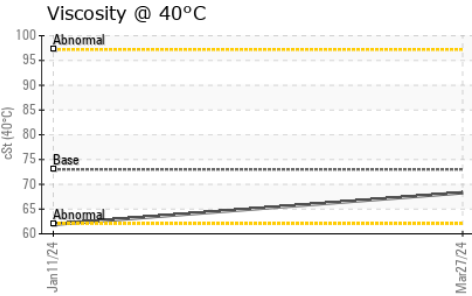
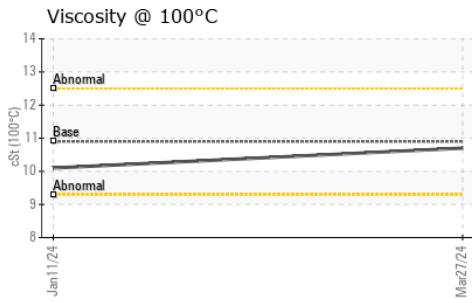
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	56	45	---
Potassium	ppm	ASTM D5185(m)	>20	28	25	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>4	0.4	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	12.2	11.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.0	24.8	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		4	3	---
Boron	ppm	ASTM D5185(m)	250	30	83	---
Barium	ppm	ASTM D5185(m)	10	<1	0	---
Molybdenum	ppm	ASTM D5185(m)	100	109	109	---
Manganese	ppm	ASTM D5185(m)		3	3	---
Magnesium	ppm	ASTM D5185(m)	450	790	741	---
Calcium	ppm	ASTM D5185(m)	3000	1401	1406	---
Phosphorus	ppm	ASTM D5185(m)	1150	715	743	---
Zinc	ppm	ASTM D5185(m)	1350	854	858	---
Sulfur	ppm	ASTM D5185(m)	4250	1692	1996	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	26.0	23.9	---
Visc @ 40°C	cSt	ASTM D7279(m)	73	68.3	61.9	---
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	10.7	10.1	---
Viscosity Index (VI)	Scale	ASTM D2270*	138	145	149	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082185
Lab Number : 02625590
Unique Number : 5750709
Test Package : MOB 1 (Additional Tests: KV40, VI)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.