



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
414001

Component
Diesel Engine

Fluid
VOLVO ULTRA DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. 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		PC0088258	PC0081897	---
Sample Date		Client Info		10 Apr 2024	14 Nov 2023	---
Machine Age	kms	Client Info		47727	19234	---
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	17	44	---
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<1	3	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>2	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	3	13	---
Lead	ppm	ASTM D5185(m)	>40	6	9	---
Copper	ppm	ASTM D5185(m)	>330	241	333	---
Tin	ppm	ASTM D5185(m)	>15	<1	5	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

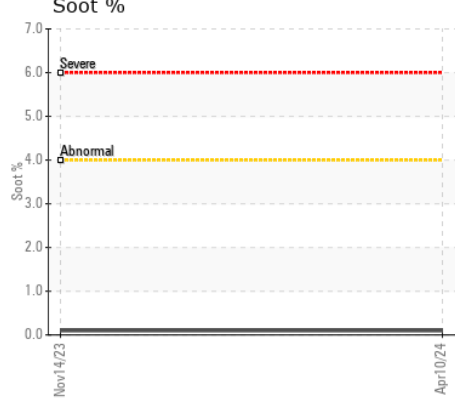
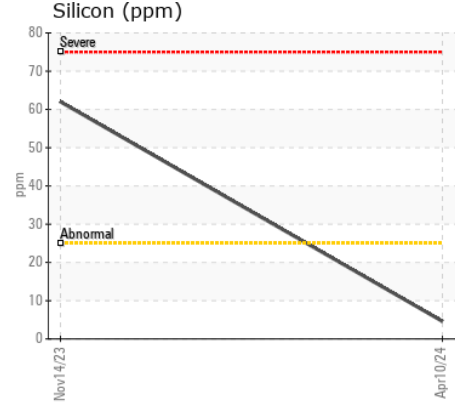
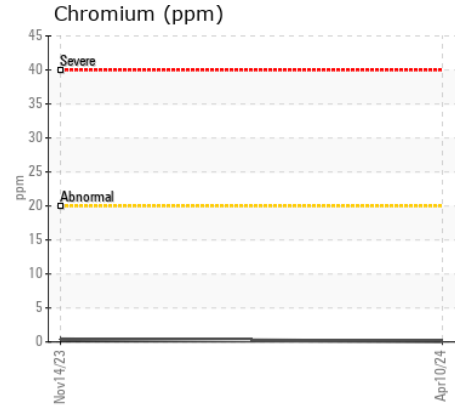
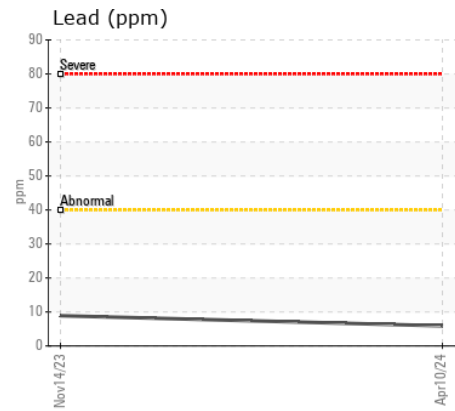
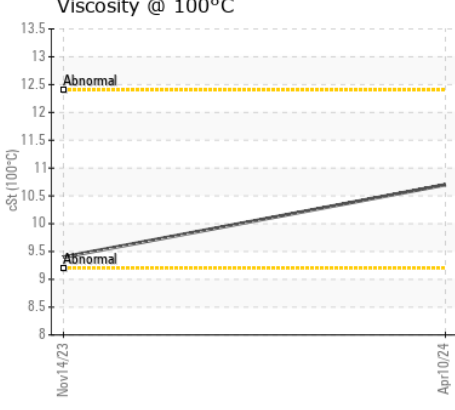
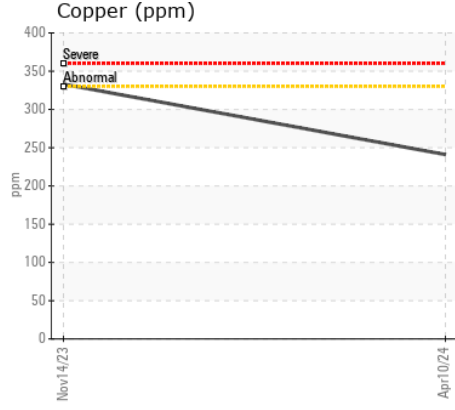
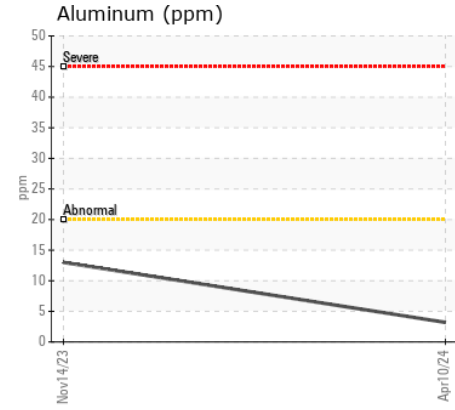
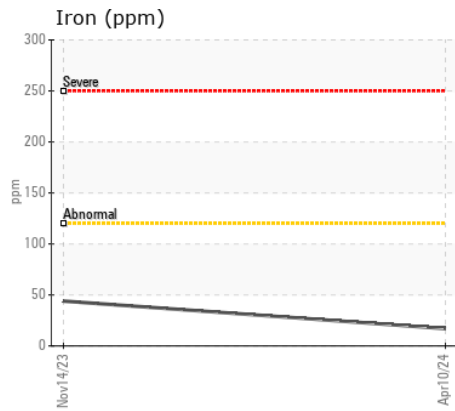
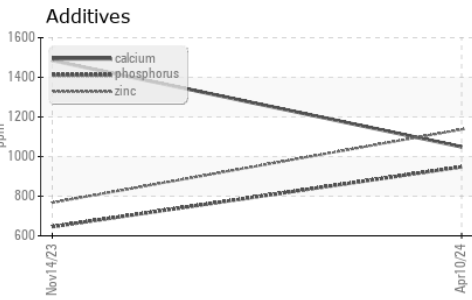
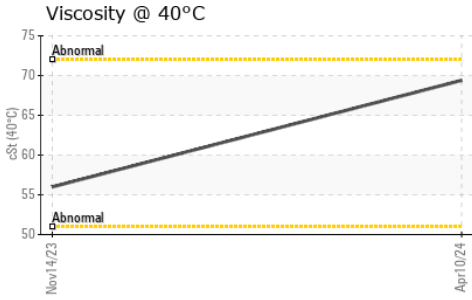
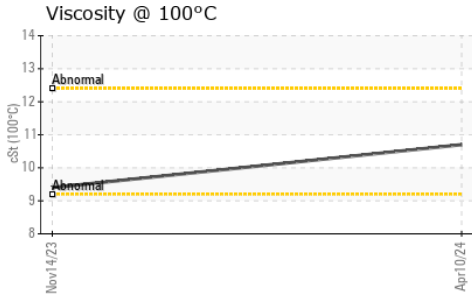
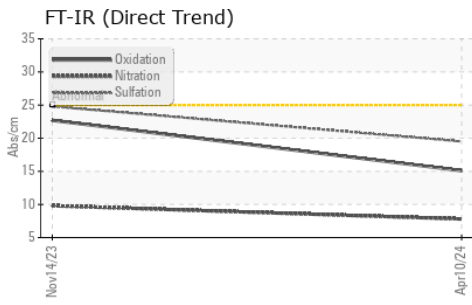
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	5	62	---
Potassium	ppm	ASTM D5185(m)	>20	6	32	---
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	0.1	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	7.8	9.8	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.5	24.8	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		2	4	---
Boron	ppm	ASTM D5185(m)		10	211	---
Barium	ppm	ASTM D5185(m)		0	<1	---
Molybdenum	ppm	ASTM D5185(m)		60	120	---
Manganese	ppm	ASTM D5185(m)		<1	4	---
Magnesium	ppm	ASTM D5185(m)		930	675	---
Calcium	ppm	ASTM D5185(m)		1049	1485	---
Phosphorus	ppm	ASTM D5185(m)		948	646	---
Zinc	ppm	ASTM D5185(m)		1137	767	---
Sulfur	ppm	ASTM D5185(m)		2270	1886	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.1	22.7	---
Visc @ 40°C	cSt	ASTM D7279(m)		69.4	56.0	---
Visc @ 100°C	cSt	ASTM D7279(m)		10.7	9.4	---
Viscosity Index (VI)	Scale	ASTM D2270*		142	150	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0088258
Lab Number : 02628341
Unique Number : 5761473
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.