



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[BTBC001109]
 Machine Id
T20-13
 Component
Diesel Engine
 Fluid
TOTAL 5W40 (--- GAL)

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		VCP213090	VCP194809	---
Sample Date		Client Info		12 Nov 2018	28 May 2018	---
Machine Age	kms	Client Info		12101	11570	---
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 d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>100	91	69	---
Chromium	ppm	ASTM D5185(m)	>20	2	2	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titanium	ppm	ASTM D5185(m)	>2	0	<1	---
Silver	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	5	3	---
Lead	ppm	ASTM D5185(m)	>40	5	5	---
Copper	ppm	ASTM D5185(m)	>330	<1	1	---
Tin	ppm	ASTM D5185(m)	>15	<1	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

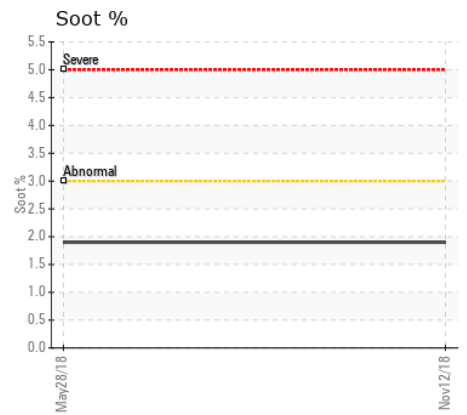
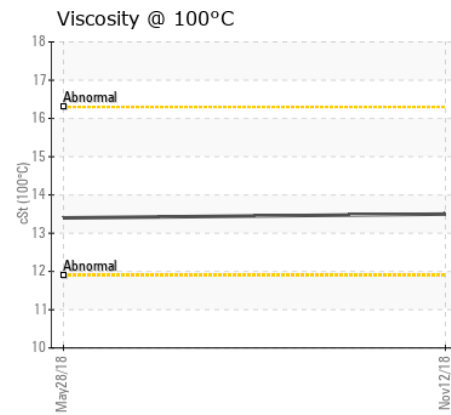
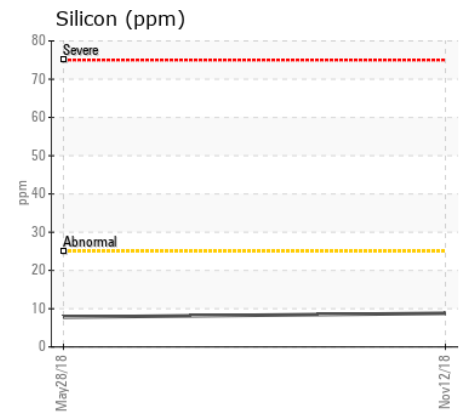
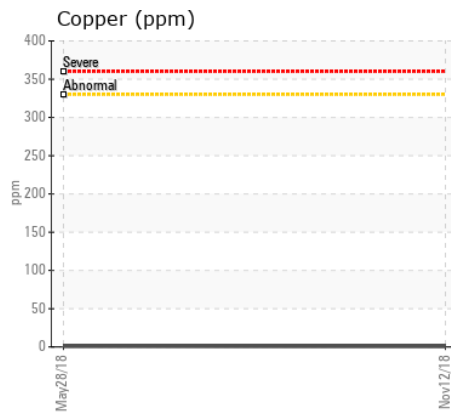
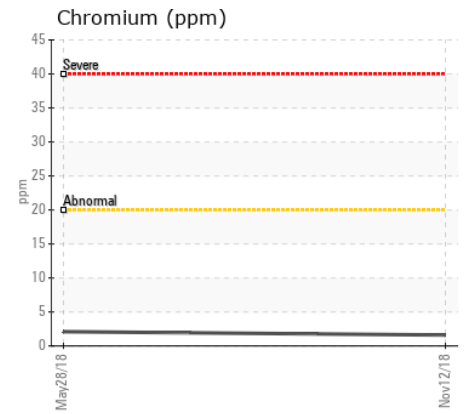
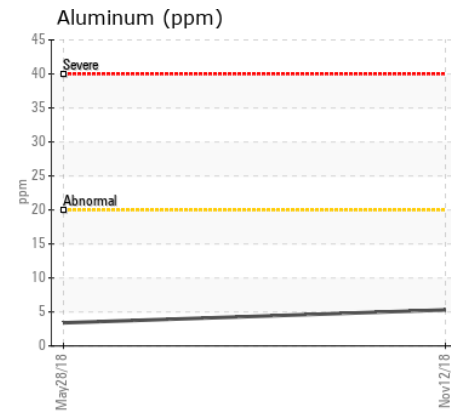
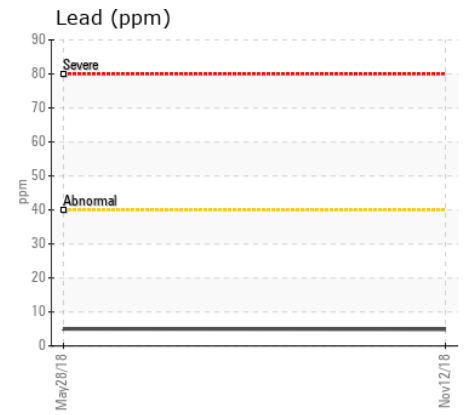
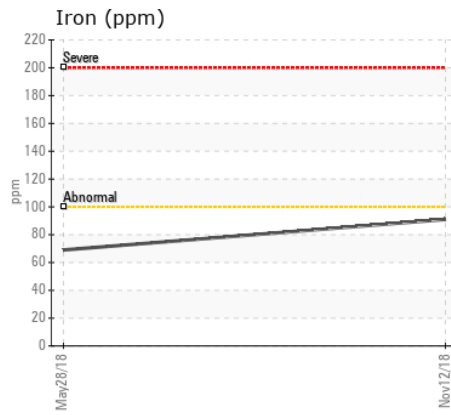
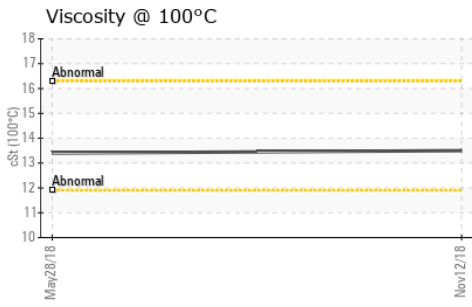
Il n'y a aucun indice de contamination dans le l'huile.

Silicon	ppm	ASTM D5185(m)	>25	9	8	---
Potassium	ppm	ASTM D5185(m)	>20	5	3	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	1.9	1.9	---
Nitration	Abs/cm	ASTM D7624*	>20	14.1	14.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	27.4	28.5	---
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)		11	10	---
Boron	ppm	ASTM D5185(m)		19	18	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		63	63	---
Manganese	ppm	ASTM D5185(m)		<1	<1	---
Magnesium	ppm	ASTM D5185(m)		1116	1125	---
Calcium	ppm	ASTM D5185(m)		846	859	---
Phosphorus	ppm	ASTM D5185(m)		1020	1068	---
Zinc	ppm	ASTM D5185(m)		1268	1309	---
Sulfur	ppm	ASTM D5185(m)		2752	2717	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	24.1	24.5	---
Visc @ 100°C	cSt	ASTM D7279(m)		13.5	13.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP213090 **Received** : 21 Nov 2018
Lab Number : 02252808 **Tested** : 21 Nov 2018
Unique Number : 4783984 **Diagnosed** : 21 Nov 2018 - Wes Davis
Test Package : MOB 1

TESSIER LTEE.
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 BAIE COMEAU, QC
 CA G4Z 1L4

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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.