



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO L50G 2420203

Component
Diesel Engine

Fluid
VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP394830	VCP347315	VCP176247
Sample Date		Client Info		06 Oct 2023	26 Oct 2022	05 Dec 2016
Machine Age	hrs	Client Info		3055	2798	778
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Usure de cylindre, de vilebrequin ou d'arbre à cames.

PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>100	▲ 111	46	26
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	4
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>10	8	6	6
Lead	ppm	ASTM D5185(m)	>20	0	<1	<1
Copper	ppm	ASTM D5185(m)	>15	2	2	7
Tin	ppm	ASTM D5185(m)	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

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

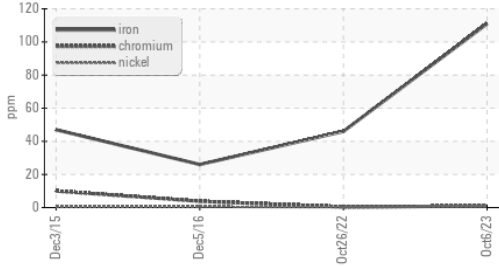
Silicon	ppm	ASTM D5185(m)	>20	11	9	16
Potassium	ppm	ASTM D5185(m)	>20	<1	3	<1
Fuel		WC Method	>6.0	<1.0	<1.0	0.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.1	0	0
Nitration	Abs/cm	ASTM D7624*	>20	8.0	9.6	9.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.7	19.7	20.7
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

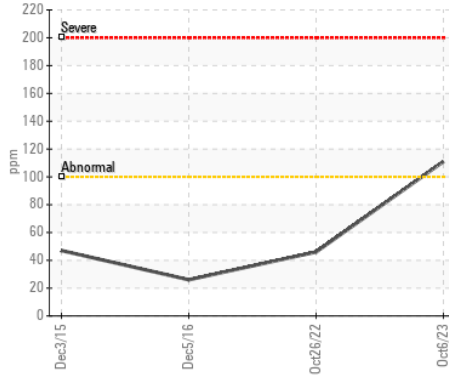
l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		4	4	10
Boron	ppm	ASTM D5185(m)	2.5	47	67	34
Barium	ppm	ASTM D5185(m)	0.0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	0.7	35	1	41
Manganese	ppm	ASTM D5185(m)	0.0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	256	522	739	697
Calcium	ppm	ASTM D5185(m)	2057	1722	1401	1632
Phosphorus	ppm	ASTM D5185(m)	935	910	791	984
Zinc	ppm	ASTM D5185(m)	1223	1032	800	1194
Sulfur	ppm	ASTM D5185(m)	4079	2490	2578	2907
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.9	14.2	15.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.0	13.3	13.5	11.3

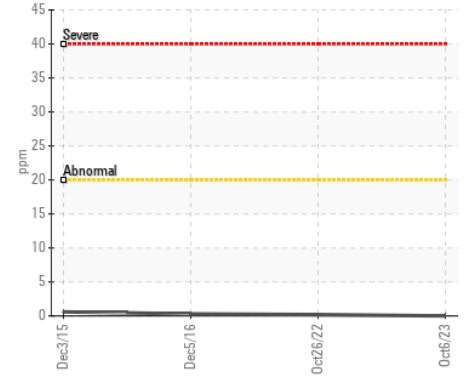
▲ Ferrous Alloys



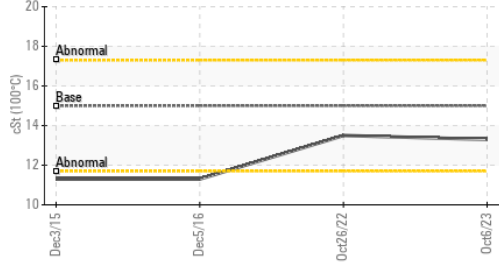
▲ Iron (ppm)



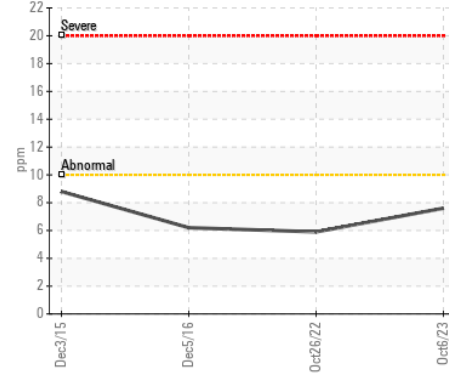
Lead (ppm)



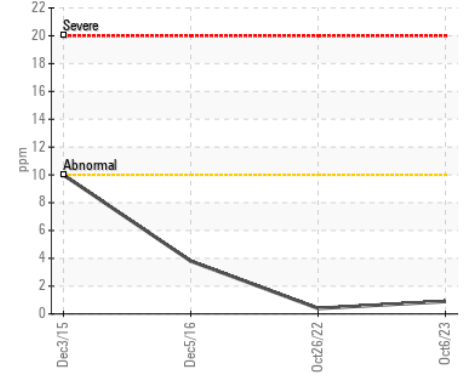
Viscosity @ 100°C



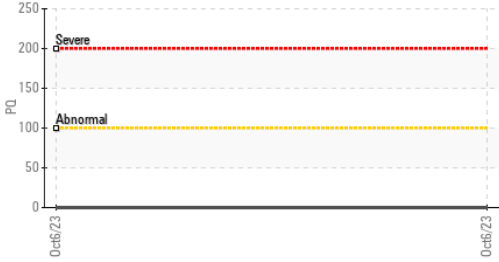
Aluminum (ppm)



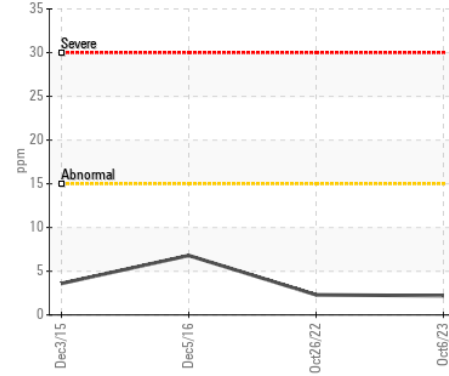
Chromium (ppm)



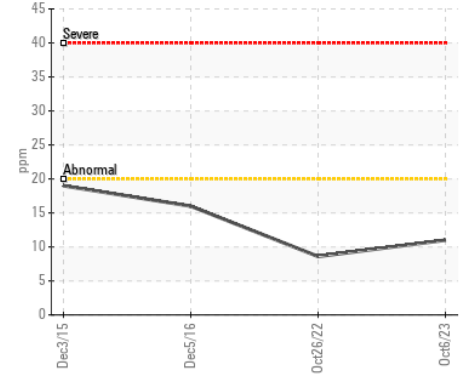
PQ



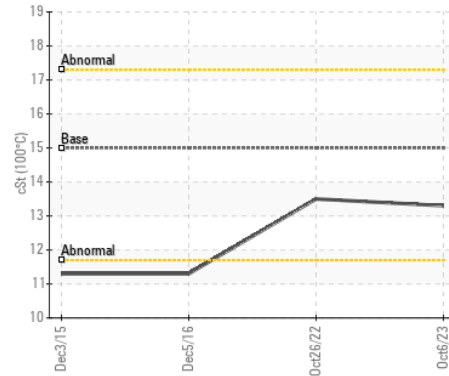
Copper (ppm)



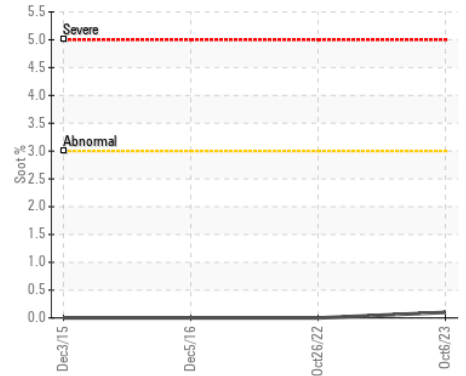
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP394830 **Received** : 16 Jan 2024
Lab Number : 02608868 **Diagnosed** : 16 Jan 2024
Unique Number : 5709954 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: PQ)

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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.