



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
VOLVO A40G 352349
Component
Diesel Engine
Fluid
MOBIL 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP436361	VCP440658	VCP396955
Sample Date		Client Info		08 Feb 2024	29 Nov 2023	30 Oct 2023
Machine Age	hrs	Client Info		6743	6434	6234
Oil Age	hrs	Client Info		309	200	148
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	3	4	<1
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	4	9	5
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	0	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

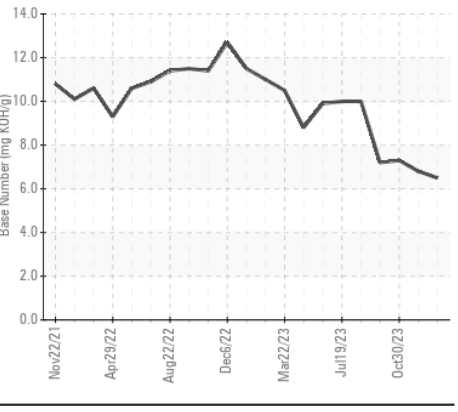
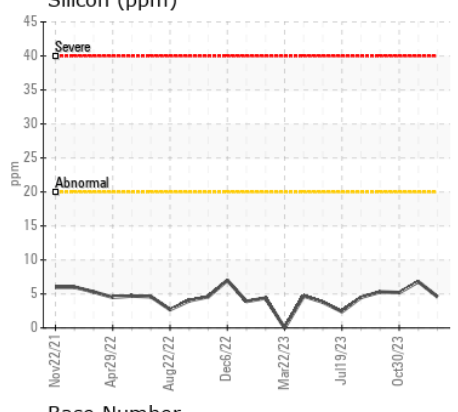
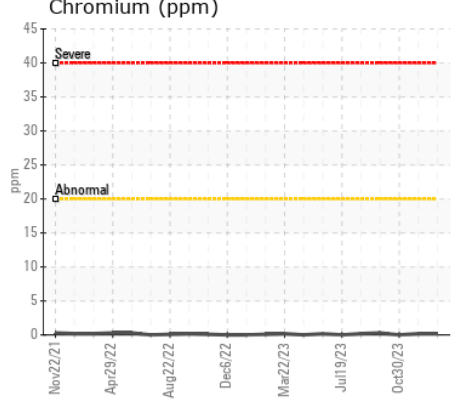
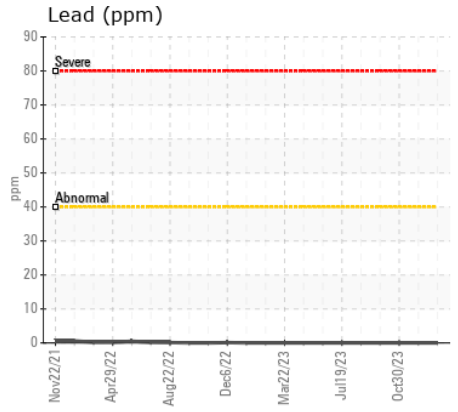
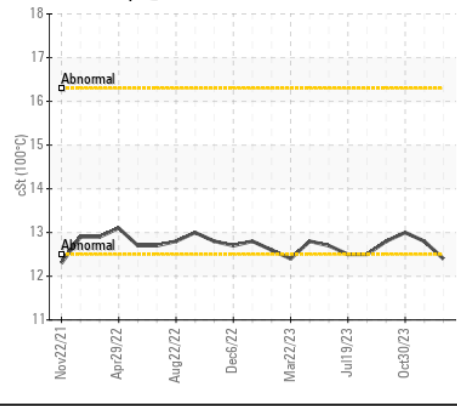
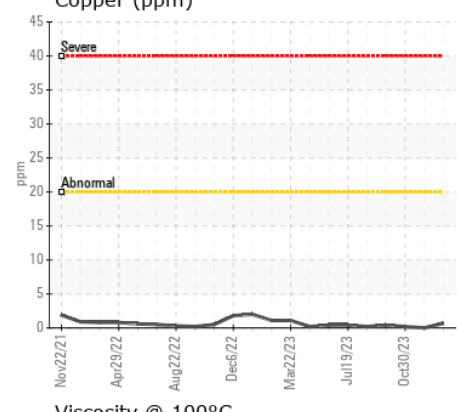
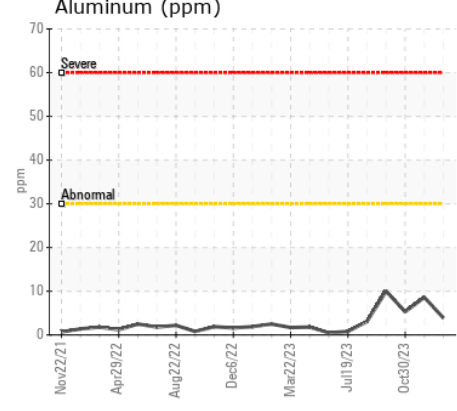
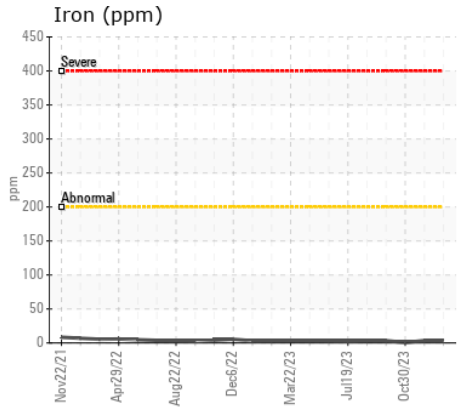
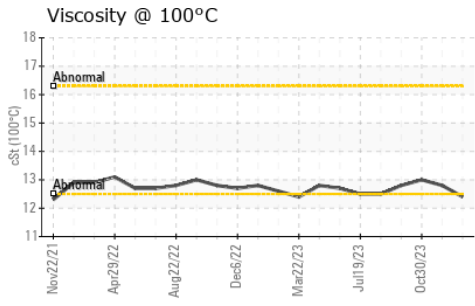
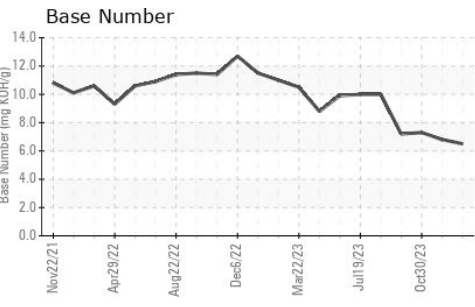
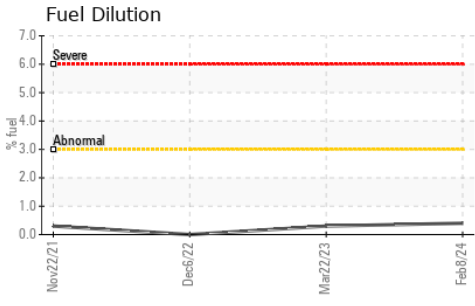
Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	5	7	5
Potassium	ppm	ASTM D5185m	>20	3	4	1
Fuel	%	ASTM D3524	>3.0	0.4	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.4	8.2	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.1	17.8	17.8
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>118	3	11	4
Boron	ppm	ASTM D5185m		124	140	124
Barium	ppm	ASTM D5185m		12	0	0
Molybdenum	ppm	ASTM D5185m		119	131	114
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		626	691	685
Calcium	ppm	ASTM D5185m		1241	1296	1272
Phosphorus	ppm	ASTM D5185m		763	737	727
Zinc	ppm	ASTM D5185m		837	914	894
Sulfur	ppm	ASTM D5185m		3655	3259	3199
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.0	14.6	14.7
Base Number (BN)	mg KOH/g	ASTM D2896		6.5	6.8	7.3
Visc @ 100°C	cSt	ASTM D445		12.4	12.8	13.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP436361
Lab Number : 06088596
Unique Number : 10876041
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN)

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (641)743-8237
 F: (641)743-2486