



# VOLVO

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**Blythe & Zachary JV CSA - I85 SC**  
Machine Id  
**VOLVO L60H 3104734 (S/N L60HV621587)**  
Component  
**Front Axle**  
Fluid  
**VOLVO WB 102 (--- GAL)**



### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP417063</b>	VCP365388	VCP345643
Sample Date		Client Info		<b>28 Sep 2023</b>	06 Sep 2022	18 Feb 2022
Machine Age		Client Info		<b>4975</b>	0	3478
Oil Age		Client Info		<b>0</b>	0	0
Filter Age		Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>68</b>	113	84
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	2	<1
Aluminum	ppm	ASTM D5185m	>30	<b>3</b>	3	0
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>120	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

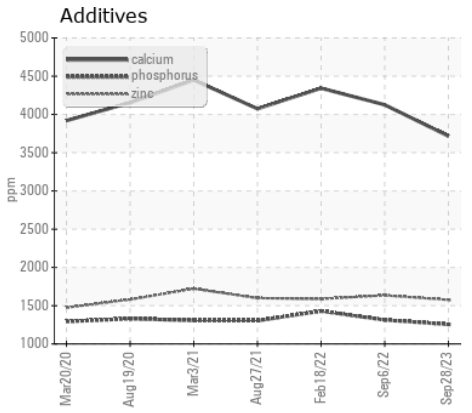
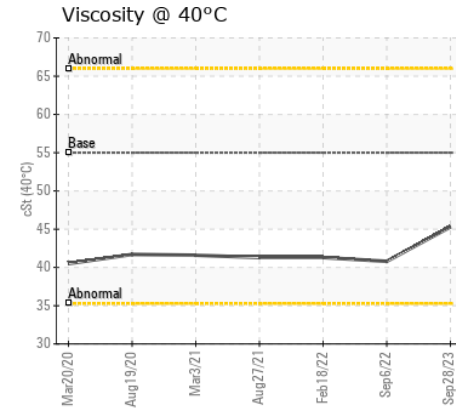
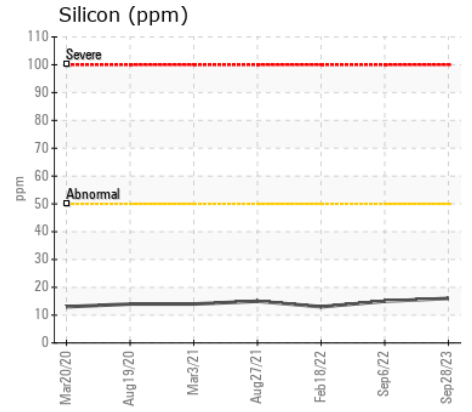
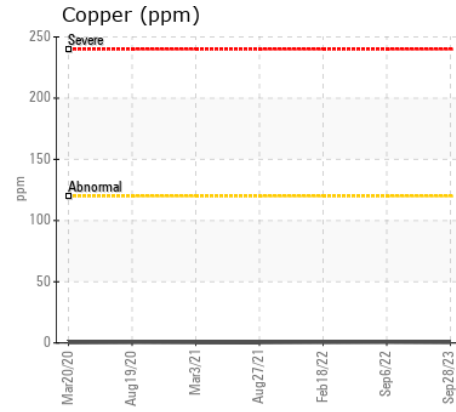
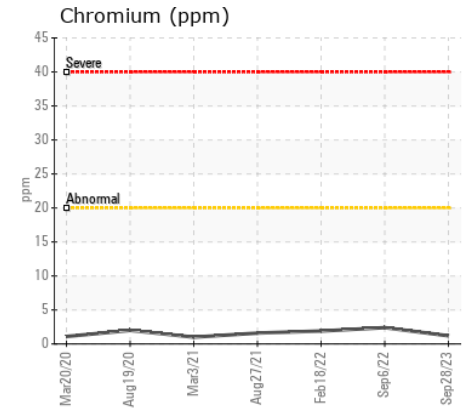
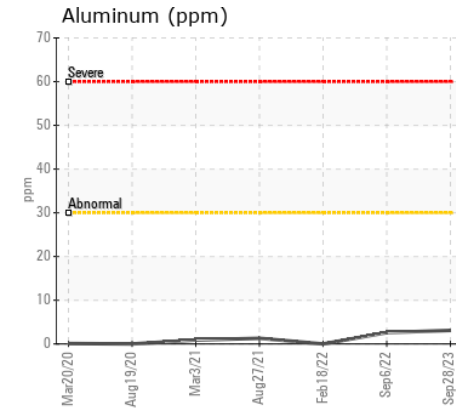
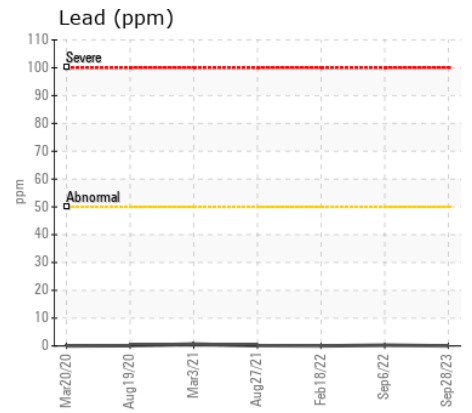
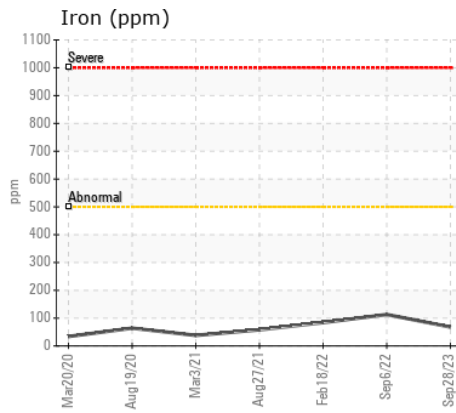
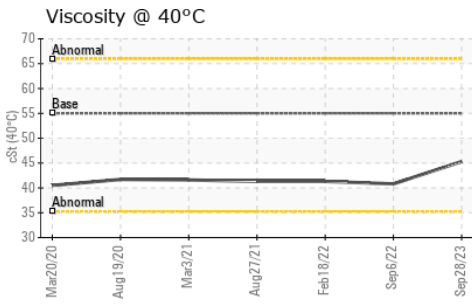
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>16</b>	15	13
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	2
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>6</b>	4	8
Boron	ppm	ASTM D5185m		<b>146</b>	150	155
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	3	3
Magnesium	ppm	ASTM D5185m		<b>26</b>	16	15
Calcium	ppm	ASTM D5185m		<b>3717</b>	4126	4343
Phosphorus	ppm	ASTM D5185m		<b>1255</b>	1313	1429
Zinc	ppm	ASTM D5185m		<b>1576</b>	1635	1588
Sulfur	ppm	ASTM D5185m		<b>4781</b>	4101	3877
Visc @ 40°C	cSt	ASTM D445	55	<b>45.3</b>	40.8	41.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VCP417063

Lab Number : 05964867

Unique Number : 10671418

Test Package : MOB 1

Received : 29 Sep 2023

Tested : 30 Sep 2023

Diagnosed : 01 Oct 2023 - Don Baldrige

**BLYTHE CONSTRUCTION INC**

2911 N GRAHAM STREET

CHARLOTTE, NC

US 28231

Contact: Service Manager

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

\* - 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:

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