



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[SWO-069917 APAC]**  
Machine Id  
**VOLVO L150H 5908**  
Component  
**Rear Axle**  
Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP444448</b>	VCP297123	VCP292239
Sample Date		Client Info		<b>22 Feb 2024</b>	05 Feb 2021	18 Nov 2020
Machine Age	hrs	Client Info		<b>7119</b>	4099	3253
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	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>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>20</b>	170	109
Chromium	ppm	ASTM D5185m	>20	<b>0</b>	4	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	2
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>30	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>120	<b>5</b>	31	31
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

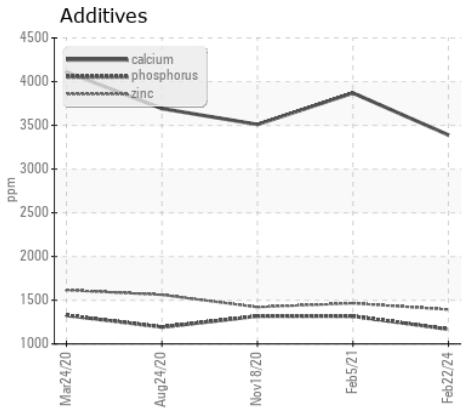
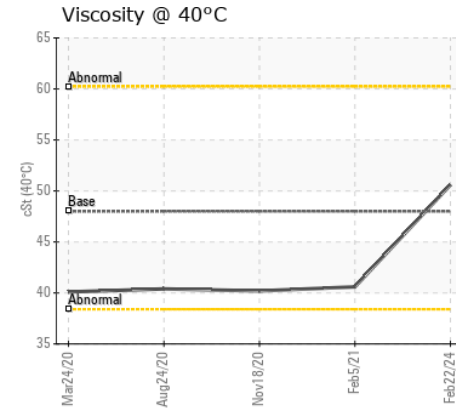
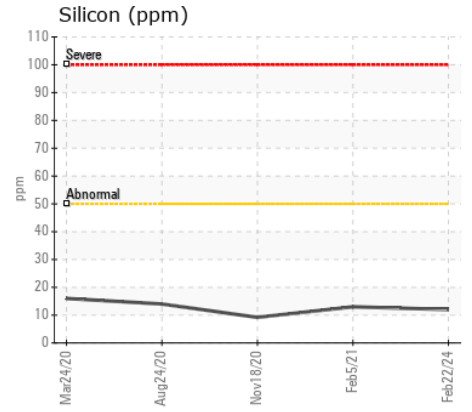
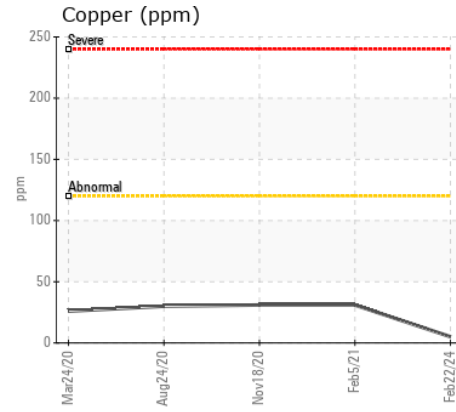
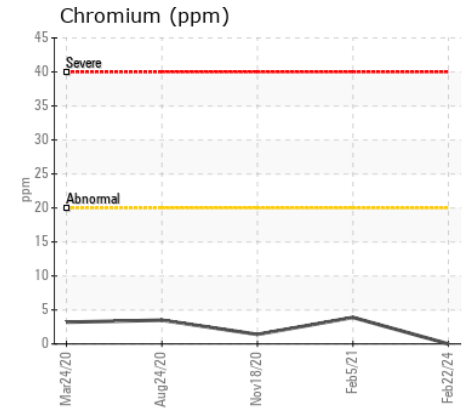
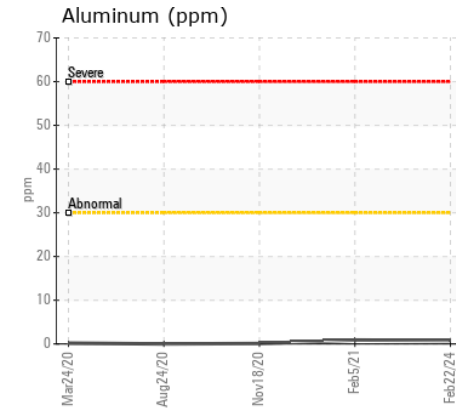
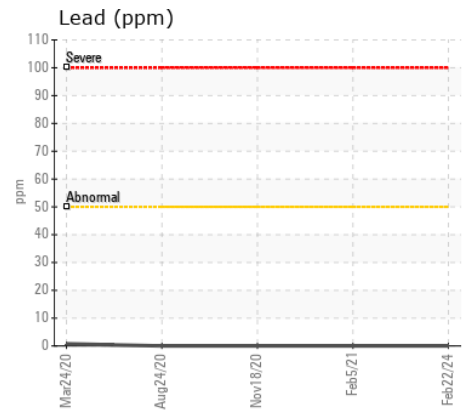
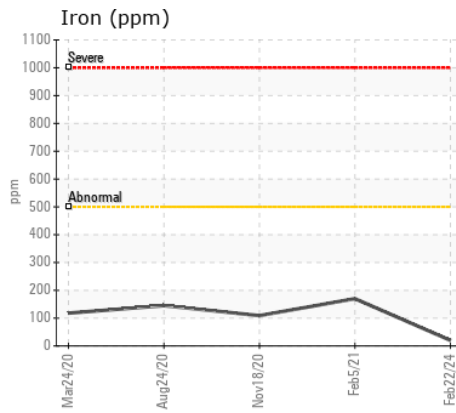
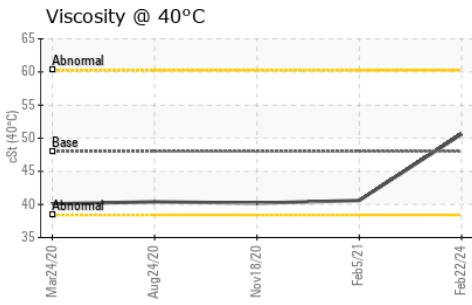
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>12</b>	13	9
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	VLITE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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>1</b>	3	2
Boron	ppm	ASTM D5185m	10	<b>90</b>	119	86
Barium	ppm	ASTM D5185m	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	10	<b>0</b>	3	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	5	2
Magnesium	ppm	ASTM D5185m	100	<b>17</b>	7	7
Calcium	ppm	ASTM D5185m	3500	<b>3390</b>	3870	3510
Phosphorus	ppm	ASTM D5185m	1150	<b>1168</b>	1317	1318
Zinc	ppm	ASTM D5185m	1150	<b>1393</b>	1465	1421
Sulfur	ppm	ASTM D5185m	5000	<b>4609</b>	3846	3495
Visc @ 40°C	cSt	ASTM D445	48	<b>50.6</b>	40.6	40.2



Certificate L2367

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

Sample No. : VCP444448

Lab Number : 06102043

Unique Number : 10900273

Test Package : MOB 1

Received : 27 Feb 2024

Tested : 28 Feb 2024

Diagnosed : 29 Feb 2024 - Jonathan Hester

**COWIN EQUIPMENT COMPANY**

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BIRMINGHAM, AL

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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)