



# VOLVO

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO L120H 632841**  
Component  
**Front Axle**  
Fluid  
**TDH FLUID SAE 70W80 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>VCP0008148</b>	VCP303960	---
Sample Date		Client Info		<b>25 Jan 2024</b>	19 Mar 2021	---
Machine Age	hrs	Client Info		<b>8601</b>	1036	---
Oil Age	hrs	Client Info		<b>7565</b>	1036	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>91</b>	192	---
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	6	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>2</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	1	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	2	---
Copper	ppm	ASTM D5185m	>120	<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

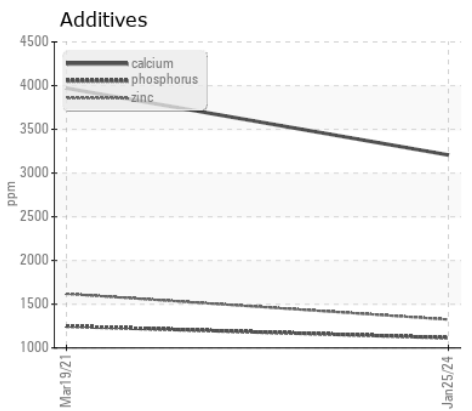
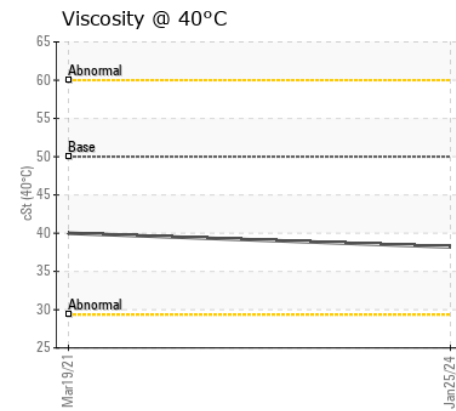
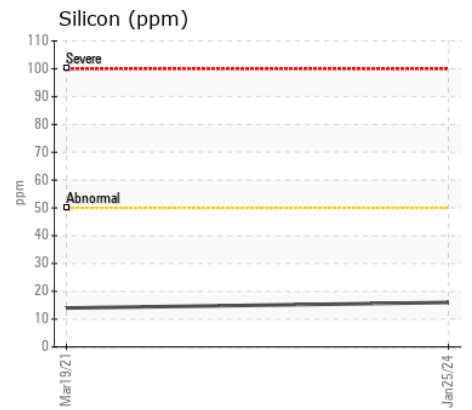
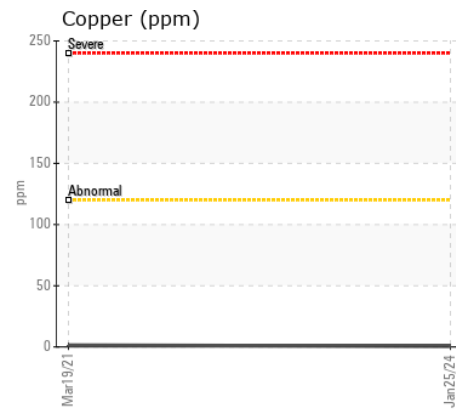
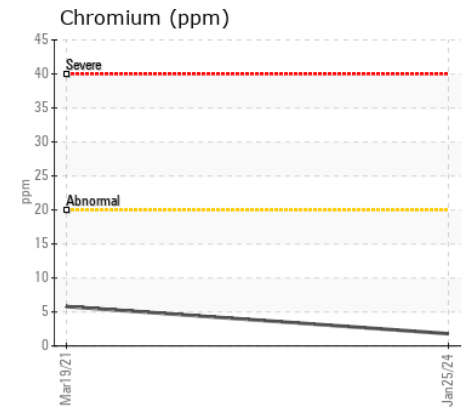
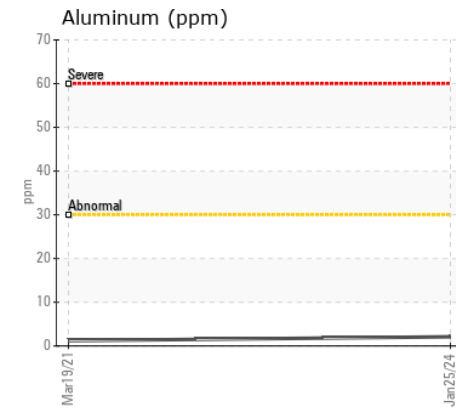
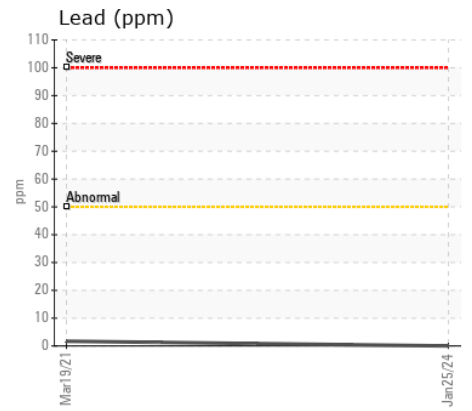
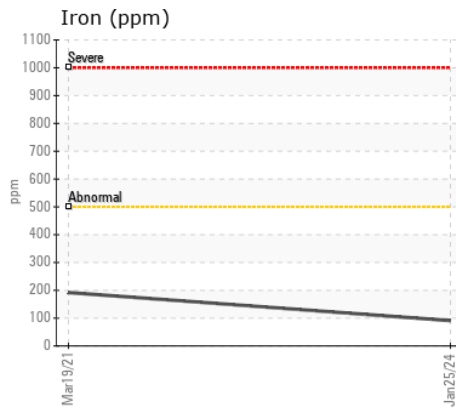
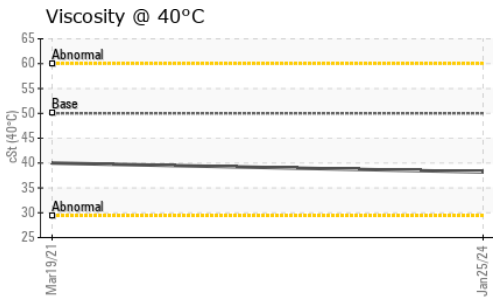
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>16</b>	14	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>4</b>	11	---
Boron	ppm	ASTM D5185m	10	<b>115</b>	121	---
Barium	ppm	ASTM D5185m	10	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m	10	<b>1</b>	9	---
Manganese	ppm	ASTM D5185m		<b>3</b>	14	---
Magnesium	ppm	ASTM D5185m	100	<b>14</b>	8	---
Calcium	ppm	ASTM D5185m	3500	<b>3207</b>	3971	---
Phosphorus	ppm	ASTM D5185m	1150	<b>1116</b>	1248	---
Zinc	ppm	ASTM D5185m	1150	<b>1325</b>	1619	---
Sulfur	ppm	ASTM D5185m	5000	<b>4708</b>	3616	---
Visc @ 40°C	cSt	ASTM D445	50	<b>38.2</b>	40.0	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP0008148 **Received** : 31 Jan 2024  
**Lab Number** : 06076176 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10858267 **Diagnostician** : Sean Felton  
**Test Package** : MOBCE

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)

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