



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 05625448 - FRONT AXLE



**Sample No:** VCP438659  
**Oil Type:** VOLVO SUPER TRANSMISSION OIL SAE 10W  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP438659</b>	VCP438656	VCP411570	---
Sample Date	<b>23 Jan 2024</b>	23 Jan 2024	10 Oct 2023	---
Machine Hours	<b>0</b>	0	5552	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	---

**CITY CARTING**  
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 T: (203)223-3885  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.5</b>	43.3	42.8	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>24</b>	14	15	---
Sodium	ppm	<b>0</b>	0	2	---
Potassium	ppm	<b>2</b>	1	0	---

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>60</b>	14	31	---
Copper	ppm	<b>&lt;1</b>	<1	0	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>2</b>	2	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>2</b>	<1	0	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	2	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>5107</b>	3922	3887	---
Magnesium	ppm	<b>21</b>	21	19	---
Zinc	ppm	<b>2040</b>	1610	1576	---
Phosphorus	ppm	<b>1727</b>	1286	1279	---
Barium	ppm	<b>&lt;1</b>	<1	<1	---
Boron	ppm	<b>171</b>	135	133	---

**Depot:** CITMILCON  
**Unique No:** 10858213  
**Signed:** Jonathan Hester  
**Report Date:** 02 Feb 2024



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## GRAPHS

