



# CONSTRUCTION EQUIPMENT

SWA518493-40 VOLVO L90H 625935 - FRONT AXLE



**Sample No:** VCP428595  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA518493-40



## SAMPLE INFORMATION

Sample Number	<b>VCP428595</b>	VCP331220	VCP332156	---
Sample Date	<b>29 Mar 2024</b>	27 Apr 2022	28 Dec 2021	---
Machine Hours	<b>3996</b>	1030	504	---
Oil Hours	<b>4000</b>	1030	500	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

IAA - INSURANCE AUTO AUCTIONS - ROCK TAVERN  
 39 STONE CASTLE RD  
 ROCK TAVERN, NY  
 US 12575  
 Contact: SERVICE MANAGER



## OIL CONDITION

Visc @ 40°C	cSt	<b>40.5</b>	42.5	40.3	---
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T:  
F:



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>11</b>	10	12	---
Sodium	ppm	<b>8</b>	9	6	---
Potassium	ppm	<b>2</b>	0	<1	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>58</b>	32	33	---
Copper	ppm	<b>38</b>	1	1	---
Lead	ppm	<b>&lt;1</b>	<1	<1	---
Tin	ppm	<b>1</b>	<1	0	---
Aluminum	ppm	<b>1</b>	<1	3	---
Chromium	ppm	<b>2</b>	1	1	---
Molybdenum	ppm	<b>4</b>	5	6	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>5</b>	4	6	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>3447</b>	3850	4425	---
Magnesium	ppm	<b>9</b>	11	10	---
Zinc	ppm	<b>1513</b>	1547	1665	---
Phosphorus	ppm	<b>1320</b>	1305	1445	---
Barium	ppm	<b>3</b>	0	0	---
Boron	ppm	<b>122</b>	121	139	---

**Depot:** INSROC  
**Unique No:** 11004013  
**Signed:** Wes Davis  
**Report Date:** 30 Apr 2024



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## GRAPHS

