



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 626609 - FRONT AXLE



**Sample No:** VCP450597  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP450597	VCP441167	---	---
Sample Date	20 May 2024	24 Jan 2024	---	---
Machine Hours	2388	1465	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	47.0	41.2	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	18	17	---	---
Sodium	ppm	2	4	---	---
Potassium	ppm	0	3	---	---

### 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	56	40	---	---
Copper	ppm	0	24	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	2	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	2	3	---	---
Molybdenum	ppm	10	3	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	5	6	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	4265	3873	---	---
Magnesium	ppm	22	12	---	---
Zinc	ppm	1673	1601	---	---
Phosphorus	ppm	1392	1367	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	162	140	---	---

**Depot:** VOLVO0090  
**Unique No:** 11056522  
**Signed:** Wes Davis  
**Report Date:** 31 May 2024

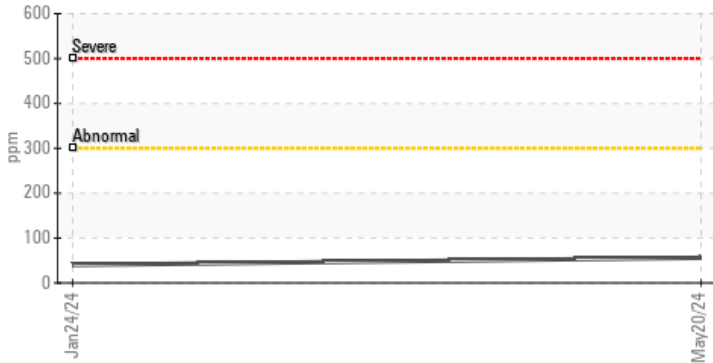


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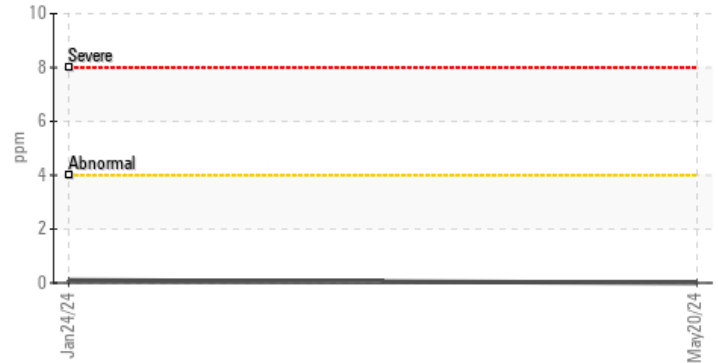


## GRAPHS

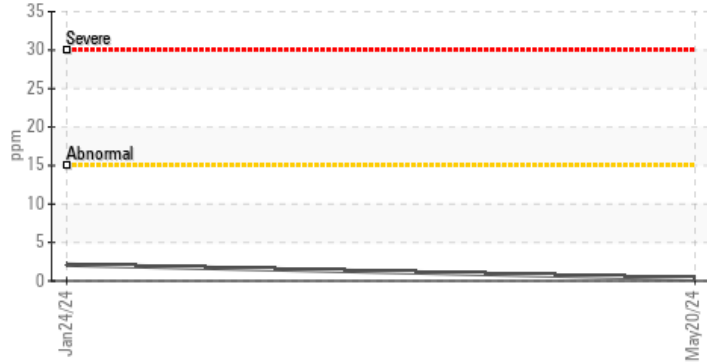
### Iron (ppm)



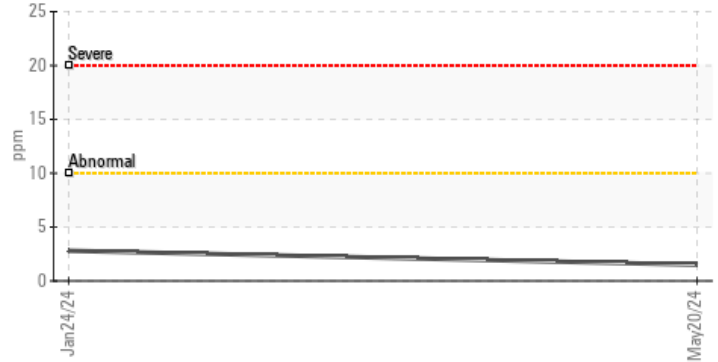
### Lead (ppm)



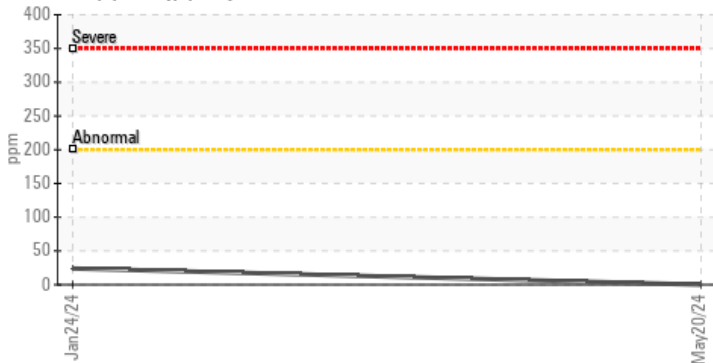
### Aluminum (ppm)



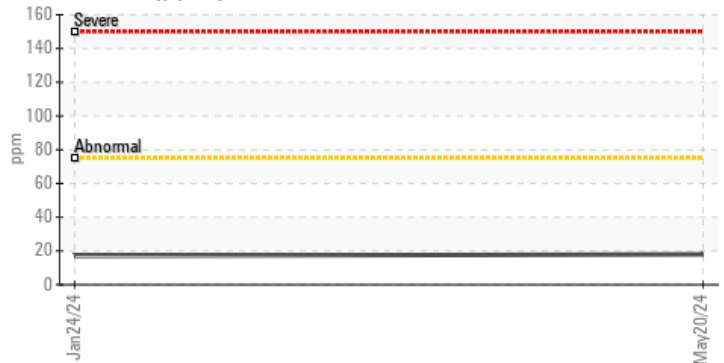
### Chromium (ppm)



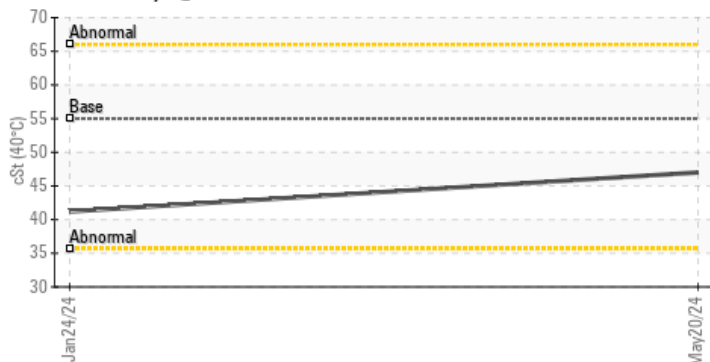
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

