



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 623836 - REAR AXLE



**Sample No:** VCP440084  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP440084</b>	VCP395748	VCP357413	VCP325342
Sample Date	<b>18 Jun 2024</b>	02 Feb 2023	29 Mar 2022	18 Jun 2021
Machine Hours	<b>7054</b>	6023	4970	4029
Oil Hours	<b>0</b>	2000	970	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	SEVERE

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: PM Services  
 PMServices@ripaconstruction.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.5</b>	41.6	42.1	40.1
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>18</b>	17	16	12
Sodium	ppm	<b>7</b>	10	8	2
Potassium	ppm	<b>3</b>	<1	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>84</b>	61	47	144
Copper	ppm	<b>64</b>	59	52	▲ 555
Lead	ppm	<b>1</b>	1	2	5
Tin	ppm	<b>10</b>	9	7	▲ 62
Aluminum	ppm	<b>3</b>	2	2	0
Chromium	ppm	<b>2</b>	1	1	5
Molybdenum	ppm	<b>4</b>	4	4	4
Nickel	ppm	<b>1</b>	<1	<1	2
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	<b>3</b>	2	2	9
Vanadium	ppm	<1	0	0	0



### ADDITIVES

Calcium	ppm	<b>3905</b>	3768	3728	4069
Magnesium	ppm	<b>36</b>	37	35	9
Zinc	ppm	<b>1600</b>	1537	1356	1415
Phosphorus	ppm	<b>1371</b>	1187	1162	1307
Barium	ppm	<b>1</b>	0	0	0
Boron	ppm	<b>127</b>	134	124	147

**Depot:** RIPTAM  
**Unique No:** 11096790  
**Signed:** Wes Davis  
**Report Date:** 25 Jun 2024



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## VOLVO GRAPHS

