



# CONSTRUCTION EQUIPMENT

## 9242 VOLVO L110F 4768 - REAR AXLE



**Sample No:** VCP408899  
**Oil Type:** VOLVO WB 102  
**Job No:** 9242



### SAMPLE INFORMATION

Sample Number	<b>VCP408899</b>	VCP344621	VCP321037	VCP323940
Sample Date	<b>13 Jul 2023</b>	06 Dec 2021	27 Sep 2021	04 Jun 2021
Machine Hours	<b>11933</b>	10141	9912	9705
Oil Hours	<b>0</b>	250	0	1000
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

**REPUBLIC SERVICES INC**  
 10710 PHILADELPHIA RD  
 PERRY HALL, MD  
 US 21128  
 Contact: RYAN WARD  
 rward7@republicservices.com  
 T: (443)793-7240  
 F: (410)347-5157



### OIL CONDITION

Visc @ 40°C	cSt	<b>44.2</b>	46.1	46.2	44.5
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### CONTAMINATION

Silicon	ppm	<b>13</b>	14	12	10
Sodium	ppm	<b>7</b>	6	6	<1
Potassium	ppm	<b>0</b>	<1	7	<1



### WEAR METALS

Iron	ppm	<b>18</b>	37	8	23
Copper	ppm	<b>&lt;1</b>	<1	0	0
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	<1	3	0
Aluminum	ppm	<b>1</b>	2	<1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>9</b>	9	13	2
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	<1	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3836</b>	3799	3664	3440
Magnesium	ppm	<b>135</b>	142	135	30
Zinc	ppm	<b>1607</b>	1524	1428	1379
Phosphorus	ppm	<b>1273</b>	1290	1231	1141
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>128</b>	118	101	125

### 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.

**Depot:** REPPER  
**Unique No:** 10573582  
**Signed:** Wes Davis  
**Report Date:** 26 Jul 2023



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## VOLVO GRAPHS

