



# CONSTRUCTION EQUIPMENT

W14408 VOLVO L110H 631820 - REAR AXLE



**Sample No:** VCP424367  
**Oil Type:** VOLVO WB 102  
**Job No:** W14408



## SAMPLE INFORMATION

Sample Number	<b>VCP424367</b>	VCP411469	VCP367734	VCP374251
Sample Date	<b>10 Jul 2023</b>	11 Apr 2023	09 Jan 2023	10 Jun 2022
Machine Hours	<b>5538</b>	5083	4597	3617
Oil Hours	<b>500</b>	1000	4000	1500
Oil Changed	<b>Not Changd</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**HOUSBY HEAVY EQUIPMENT, LLC**  
 4410 SE 4 MILE DR  
 ANKENY, IA  
 US 50021  
 Contact: RANDY VANDERLEEST  
 rvanderleest@housby.com  
 T:  
 F: (515)964-2865



## OIL CONDITION

Visc @ 40°C	cSt	<b>44.4</b>	44.1	41.7	40.9
-------------	-----	-------------	------	------	------



## CONTAMINATION

Silicon	ppm	<b>13</b>	14	15	8
Sodium	ppm	<b>2</b>	2	13	8
Potassium	ppm	<b>0</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>46</b>	73	91	30
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>2</b>	<1	2	1
Chromium	ppm	<b>&lt;1</b>	1	2	<1
Molybdenum	ppm	<b>2</b>	2	5	2
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	2	2	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>4005</b>	3948	4727	3244
Magnesium	ppm	<b>20</b>	28	36	20
Zinc	ppm	<b>1630</b>	1650	2030	1441
Phosphorus	ppm	<b>1262</b>	1275	1749	1196
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>112</b>	132	146	117

## 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:** VOLVO0080  
**Unique No:** 10562991  
**Signed:** Wes Davis  
**Report Date:** 19 Jul 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

