



# CONSTRUCTION EQUIPMENT

W07013061 VOLVO L90E 67920 - REAR AXLE



**Sample No:** VCP409412  
**Oil Type:** MOBIL WB 102  
**Job No:** W07013061



## SAMPLE INFORMATION

Sample Number	<b>VCP409412</b>	VCP321336	VCP223737	VCP161384
Sample Date	<b>31 Jul 2023</b>	03 Aug 2021	18 Jul 2018	29 Sep 2014
Machine Hours	<b>6146</b>	4732	2253	999
Oil Hours	<b>2000</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>42.2</b>	44.7	41.00	49.43
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## CONTAMINATION

Silicon	ppm	<b>12</b>	10	12	11
Sodium	ppm	<b>8</b>	0	1	3
Potassium	ppm	<b>&lt;1</b>	<1	2	1



## WEAR METALS

Iron	ppm	<b>12</b>	21	30	56
Copper	ppm	<b>&lt;1</b>	4	25	128
Lead	ppm	<b>1</b>	<1	<1	1
Tin	ppm	<b>&lt;1</b>	<1	0	14
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>0</b>	<1	<1	2
Molybdenum	ppm	<b>&lt;1</b>	<1	1	6
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	5
Vanadium	ppm	<b>0</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>3975</b>	4322	4080	3781
Magnesium	ppm	<b>14</b>	11	11	8
Zinc	ppm	<b>1617</b>	1604	1689	1399
Phosphorus	ppm	<b>1254</b>	1358	1341	1151
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>144</b>	167	118	106

## 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:** VOLVO8882  
**Unique No:** 10604465  
**Signed:** Sean Felton  
**Report Date:** 15 Aug 2023



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## GRAPHS

