



# CONSTRUCTION EQUIPMENT

A11109 IAA VOLVO L90H 623537 - REAR AXLE



**Sample No:** VCP412816  
**Oil Type:** MOBIL WB 102  
**Job No:** A11109 IAA



## SAMPLE INFORMATION

Sample Number	<b>VCP412816</b>	VCP383636	VCP339383	VCP293293
Sample Date	<b>20 Sep 2023</b>	14 Dec 2022	17 Dec 2021	12 Oct 2020
Machine Hours	<b>11805</b>	10665	9000	7920
Oil Hours	<b>2000</b>	2000	1000	2000
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
 LIONVILLE, PA  
 US 19341  
 Contact: JIM FEHR  
 jim.fehr@hoffmanequip.com  
 T: (610)363-9200  
 F: (610)594-0829



## OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	40.3	49.0	40.3
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## CONTAMINATION

Silicon	ppm	<b>12</b>	11	14	10
Sodium	ppm	<b>2</b>	7	9	0
Potassium	ppm	<b>&lt;1</b>	0	1	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>33</b>	66	48	73
Copper	ppm	<b>2</b>	6	4	14
Lead	ppm	<b>&lt;1</b>	<1	2	<1
Tin	ppm	<b>&lt;1</b>	<1	2	1
Aluminum	ppm	<b>&lt;1</b>	2	2	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	1	1	1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	<1



## ADDITIVES

Calcium	ppm	<b>3496</b>	2732	2870	3194
Magnesium	ppm	<b>49</b>	17	16	9
Zinc	ppm	<b>1583</b>	1195	1210	1369
Phosphorus	ppm	<b>1259</b>	952	1003	1242
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>109</b>	86	96	120

**Depot:** VOLVO8879  
**Unique No:** 10673218  
**Signed:** Wes Davis  
**Report Date:** 04 Oct 2023



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## VOLVO GRAPHS

