



# CONSTRUCTION EQUIPMENT

SW125005 IAA VOLVO L90H 623449 - FRONT AXLE



**Sample No:** VCP422704  
**Oil Type:** VOLVO WB 102  
**Job No:** SW125005 IAA



## SAMPLE INFORMATION

Sample Number	<b>VCP422704</b>	VCP353740	VCP277921	VCP252657
Sample Date	<b>10 Oct 2023</b>	09 Sep 2022	22 Jun 2020	18 Sep 2019
Machine Hours	<b>13824</b>	12845	10127	8324
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ARNOLD MACHINERY COMPANY**  
4323 EAST WINSLOW AVENUE  
PHOENIX, AZ  
US 85040  
Contact: RANDY PRZEKURAT  
randyp@arnoldmachinery.com  
T:  
F: (602)414-1904



## OIL CONDITION

Visc @ 40°C	cSt	<b>43.1</b>	39.7	39.5	39.9
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## CONTAMINATION

Silicon	ppm	<b>13</b>	12	16	17
Sodium	ppm	<b>6</b>	6	7	9
Potassium	ppm	<b>2</b>	0	0	3

## 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>20</b>	31	37	17
Copper	ppm	<b>17</b>	<1	1	2
Lead	ppm	<b>1</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>1</b>	1	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	0	<1
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3516</b>	3600	4161	4444
Magnesium	ppm	<b>13</b>	15	15	19
Zinc	ppm	<b>1658</b>	1471	1677	1678
Phosphorus	ppm	<b>1333</b>	1178	1339	1299
Barium	ppm	<b>0</b>	0	<1	<1
Boron	ppm	<b>110</b>	142	125	130

**Depot:** VOLVO6174  
**Unique No:** 10699409  
**Signed:** Wes Davis  
**Report Date:** 18 Oct 2023



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## VOLVO GRAPHS

