



# CONSTRUCTION EQUIPMENT

UPAP-PHOENIX 1034614 330144 VOLVO L90G 617701 - FRONT AXLE



**Sample No:** VCP442984  
**Oil Type:** VOLVO WB 102  
**Job No:** 1034614



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## SAMPLE INFORMATION

Sample Number	<b>VCP442984</b>	VCE196222	DJJ0005956	DJJ0005935
Sample Date	<b>03 Jun 2024</b>	21 Dec 2023	10 May 2023	21 Jun 2022
Machine Hours	<b>11885</b>	11269	10493	9277
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



## OIL CONDITION

Visc @ 40°C	cSt	<b>46.6</b>	45.8	45.9	40.8
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>11</b>	13	13	8
Sodium	ppm	<b>0</b>	4	6	8
Potassium	ppm	<b>1</b>	1	2	0



## WEAR METALS

Iron	ppm	<b>20</b>	20	15	20
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	1	<1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	0	<1	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	2
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3723</b>	3903	3814	3861
Magnesium	ppm	<b>18</b>	14	13	15
Zinc	ppm	<b>1571</b>	1599	1558	1509
Phosphorus	ppm	<b>1336</b>	1229	1204	1251
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>154</b>	134	126	136

## 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:** UPAPPHO  
**Unique No:** 11072510  
**Signed:** Wes Davis  
**Report Date:** 12 Jun 2024



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## GRAPHS

