



# CONSTRUCTION EQUIPMENT

SWA499940 VOLVO L220H 2541 - REAR AXLE



**Sample No:** VCP419945  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA499940



## SAMPLE INFORMATION

Sample Number	<b>VCP419945</b>	VCP438865	VCP251529	---
Sample Date	<b>18 Apr 2024</b>	16 Apr 2024	15 Aug 2019	---
Machine Hours	<b>12417</b>	12474	4400	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	---

**PREFERRED MATERIALS**  
 4636 SCARBOROUGH DR  
 LUTZ, FL  
 US 33559  
 Contact: Service Manager

## OIL CONDITION

Visc @ 40°C	cSt	<b>44.5</b>	73.3	74.6	---
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T: (850)479-3004  
 F:

## CONTAMINATION

Water	%	<b>0.941</b>	NEG	0.221	---
Silicon	ppm	<b>23</b>	12	7	---
Sodium	ppm	<b>&lt;1</b>	1	2	---
Potassium	ppm	<b>0</b>	0	2	---

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is hazy. There is a high concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

## WEAR METALS

Iron	ppm	<b>33</b>	24	38	---
Copper	ppm	<b>0</b>	0	7	---
Lead	ppm	<b>0</b>	0	1	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>2</b>	<1	<1	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	3	5	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	1	3	---
Vanadium	ppm	<b>0</b>	0	0	---

## ADDITIVES

Calcium	ppm	<b>3237</b>	3727	3148	---
Magnesium	ppm	<b>16</b>	16	25	---
Zinc	ppm	<b>1445</b>	1425	1238	---
Phosphorus	ppm	<b>1268</b>	1216	914	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>23</b>	84	39	---

**Depot:** PRELUT  
**Unique No:** 10996160  
**Signed:** Don Baldrige  
**Report Date:** 29 Apr 2024



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## GRAPHS

