



# CONSTRUCTION EQUIPMENT

SWA499940 VOLVO L220H 2541 - REAR AXLE



**Sample No:** VCP438875  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA499940



## SAMPLE INFORMATION

Sample Number	<b>VCP438875</b>	VCP419945	VCP438865	VCP251529
Sample Date	<b>24 Apr 2024</b>	18 Apr 2024	16 Apr 2024	15 Aug 2019
Machine Hours	<b>12490</b>	12417	12474	4400
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	ABNORMAL

## PREFERRED MATERIALS

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



## OIL CONDITION

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



## CONTAMINATION

Water	%	<b>0.833</b>	0.941	NEG	0.221
Silicon	ppm	<b>15</b>	23	12	7
Sodium	ppm	<b>2</b>	<1	1	2
Potassium	ppm	<b>0</b>	0	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>24</b>	33	24	38
Copper	ppm	<b>1</b>	0	0	7
Lead	ppm	<b>&lt;1</b>	0	0	1
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	2	<1	<1
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	0	3	5
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	3
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3212</b>	3237	3727	3148
Magnesium	ppm	<b>19</b>	16	16	25
Zinc	ppm	<b>1427</b>	1445	1425	1238
Phosphorus	ppm	<b>1207</b>	1268	1216	914
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>2</b>	23	84	39

**Depot:** PRELUT  
**Unique No:** 11005602  
**Signed:** Jonathan Hester  
**Report Date:** 03 May 2024



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## GRAPHS

