



# CONSTRUCTION EQUIPMENT

## 21 VOLVO L90H 25852 - REAR AXLE



**Sample No:** VCP430538  
**Oil Type:** VOLVO WB 102  
**Job No:** 21



### SAMPLE INFORMATION

Sample Number	<b>VCP430538</b>	VCP366258	VCP325019	VCP356844
Sample Date	<b>12 Dec 2023</b>	02 Jun 2023	09 Dec 2022	11 Aug 2022
Machine Hours	<b>11840</b>	9128	6782	4794
Oil Hours	<b>2000</b>	2400	2000	2000
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**PLEASANT RIVER LUMBER**  
 PO BOX 68  
 DOVER FOXCROFT, ME  
 US 04426  
 Contact: BURLEY HIGGINS  
 burley@pleasantriverlumber.com  
 T:  
 F: (207)564-8259



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.8</b>	40.2	42.5	42.2
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	15	13	10
Sodium	ppm	<b>0</b>	1	3	4
Potassium	ppm	<b>0</b>	0	0	0

### 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>40</b>	52	57	35
Copper	ppm	<b>&lt;1</b>	4	47	10
Lead	ppm	<b>0</b>	0	1	<1
Tin	ppm	<b>0</b>	<1	7	1
Aluminum	ppm	<b>2</b>	1	2	1
Chromium	ppm	<b>1</b>	1	1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	1	1	1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3092</b>	4343	3910	3302
Magnesium	ppm	<b>7</b>	23	17	13
Zinc	ppm	<b>1386</b>	1678	1594	1474
Phosphorus	ppm	<b>1415</b>	1343	1342	1196
Barium	ppm	<b>4</b>	0	0	<1
Boron	ppm	<b>93</b>	179	137	125

**Depot:** PLEDOV  
**Unique No:** 10809868  
**Signed:** Wes Davis  
**Report Date:** 03 Jan 2024



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## VOLVO GRAPHS

