



# CONSTRUCTION EQUIPMENT

## 21 VOLVO L90H 25852 - REAR AXLE



**Sample No:** VCP439926  
**Oil Type:** VOLVO WB 102  
**Job No:** 21



### SAMPLE INFORMATION

Sample Number	<b>VCP439926</b>	VCP430538	VCP366258	VCP325019
Sample Date	<b>10 May 2024</b>	12 Dec 2023	02 Jun 2023	09 Dec 2022
Machine Hours	<b>13887</b>	11840	9128	6782
Oil Hours	<b>2000</b>	2000	2400	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>44.0</b>	41.8	40.2	42.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	4	15	13
Sodium	ppm	<b>&lt;1</b>	0	1	3
Potassium	ppm	<b>2</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>12</b>	40	52	57
Copper	ppm	<b>3</b>	<1	4	47
Lead	ppm	<b>&lt;1</b>	0	0	1
Tin	ppm	<b>&lt;1</b>	0	<1	7
Aluminum	ppm	<b>2</b>	2	1	2
Chromium	ppm	<b>&lt;1</b>	1	1	1
Molybdenum	ppm	<b>&lt;1</b>	0	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>1</b>	0	<1	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	1	1
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>3246</b>	3092	4343	3910
Magnesium	ppm	<b>10</b>	7	23	17
Zinc	ppm	<b>1622</b>	1386	1678	1594
Phosphorus	ppm	<b>1387</b>	1415	1343	1342
Barium	ppm	<b>0</b>	4	0	0
Boron	ppm	<b>116</b>	93	179	137

**Depot:** PLEDOV  
**Unique No:** 11112848  
**Signed:** Wes Davis  
**Report Date:** 08 Jul 2024



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## VOLVO GRAPHS

