



# CONSTRUCTION EQUIPMENT

## 17 VOLVO L90H 25192 - REAR AXLE



**Sample No:** VCP430540  
**Oil Type:** VOLVO WB 102  
**Job No:** 17



### SAMPLE INFORMATION

Sample Number	<b>VCP430540</b>	VCP387273	VC326530	VCP321985
Sample Date	<b>06 Dec 2023</b>	08 Dec 2022	24 Feb 2022	03 Sep 2021
Machine Hours	<b>11036</b>	8750	5815	3819
Oil Hours	<b>2100</b>	2000	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>42.2</b>	41.7	41.8	40.2
-------------	-----	-------------	------	------	------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	10	9	10
Sodium	ppm	<b>0</b>	4	4	9
Potassium	ppm	<b>0</b>	0	2	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>27</b>	19	15	51
Copper	ppm	<b>65</b>	1	2	6
Lead	ppm	<b>0</b>	2	<1	<1
Tin	ppm	<b>0</b>	5	0	1
Aluminum	ppm	<b>2</b>	1	1	<1
Chromium	ppm	<b>1</b>	<1	<1	2
Molybdenum	ppm	<b>0</b>	3	0	1
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3817</b>	3334	3487	4107
Magnesium	ppm	<b>8</b>	14	9	11
Zinc	ppm	<b>1590</b>	1455	1640	1686
Phosphorus	ppm	<b>1412</b>	1289	1431	1309
Barium	ppm	<b>4</b>	0	0	0
Boron	ppm	<b>120</b>	105	106	131

**Depot:** PLEDOV  
**Unique No:** 10809867  
**Signed:** Wes Davis  
**Report Date:** 03 Jan 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

