



# CONSTRUCTION EQUIPMENT

## 19 VOLVO L90H 25607 - FRONT AXLE



**Sample No:** VCP313382  
**Oil Type:** VOLVO WB 102  
**Job No:** 19



### SAMPLE INFORMATION

Sample Number	VCP313382	VCP387347	VCP358484	VCP351341
Sample Date	01 Dec 2023	23 Feb 2023	22 Aug 2022	16 Mar 2022
Machine Hours	13145	11022	8851	6727
Oil Hours	2100	1000	2200	2500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**PLEASANT RIVER LUMBER**  
 PO BOX 68  
 DOVER FOXCROFT, ME  
 US 04426  
 Contact: BURLEY HIGGINS  
 burley@pleasantriverlumber.com  
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### OIL CONDITION

Visc @ 40°C	cSt	42.4	42.3	42.0	42.3



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	14	12	14
Sodium	ppm	1	0	3	4
Potassium	ppm	0	2	0	2

### 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	20	34	15	29
Copper	ppm	0	<1	0	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	1	2	2
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	0	<1	2	1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	1	1
Vanadium	ppm	<1	0	<1	0



### ADDITIVES

Calcium	ppm	3900	4024	3732	4045
Magnesium	ppm	15	10	12	11
Zinc	ppm	1529	1542	1490	1677
Phosphorus	ppm	1332	1289	1217	1365
Barium	ppm	0	0	0	0
Boron	ppm	126	137	122	140

**Depot:** PLEDOV  
**Unique No:** 10791567  
**Signed:** Wes Davis  
**Report Date:** 18 Dec 2023



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## GRAPHS

