



# CONSTRUCTION EQUIPMENT

## 9941 VOLVO L70G 614340 - REAR AXLE



**Sample No:** VCP388526  
**Oil Type:** VOLVO WB 102  
**Job No:** 9941



### SAMPLE INFORMATION

Sample Number	VCP388526	VCP290942	VCP229567	VCP201673
Sample Date	20 Nov 2023	06 Nov 2020	30 Oct 2018	07 Jun 2016
Machine Hours	12078	9117	5998	2300
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**RELIABLE CONTRACTING**  
 2410 EVERGREEN RD SUITE 200  
 GAMBRILLS, MD  
 US 21054  
 Contact: RUSSELL HATFIELD  
 RHATFIELD@RELIABLECONTRACTING.COM  
 T: (410)987-1851  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	41.1	40.9	50.2	50.31
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	17	12	16
Sodium	ppm	7	2	<1	12
Potassium	ppm	0	<1	3	1

### 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	41	66	37	44
Copper	ppm	11	26	11	3
Lead	ppm	0	<1	0	<1
Tin	ppm	1	3	0	<1
Aluminum	ppm	1	3	1	<1
Chromium	ppm	<1	1	<1	<1
Molybdenum	ppm	7	<1	1	0
Nickel	ppm	0	0	0	2
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	1	<1	2
Vanadium	ppm	<1	0	<1	0



### ADDITIVES

Calcium	ppm	3219	3379	3375	3528
Magnesium	ppm	51	12	8	8
Zinc	ppm	1373	1362	1378	1334
Phosphorus	ppm	1182	1120	1100	1178
Barium	ppm	0	0	0	<1
Boron	ppm	112	116	101	108

**Depot:** RELMIL  
**Unique No:** 10763011  
**Signed:** Wes Davis  
**Report Date:** 28 Nov 2023



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## GRAPHS

