



# CONSTRUCTION EQUIPMENT

## 9938 VOLVO L60G 1799 - FRONT AXLE



**Sample No:** VCP388540  
**Oil Type:** VOLVO WB 102  
**Job No:** 9938



### SAMPLE INFORMATION

Sample Number	<b>VCP388540</b>	VCP290936	VCP214902	VCP150218
Sample Date	<b>16 Nov 2023</b>	05 Nov 2020	27 Feb 2018	23 Sep 2015
Machine Hours	<b>7929</b>	6262	4154	2080
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	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	<b>41.6</b>	40.2	54.63	41.08
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	9	10	11
Sodium	ppm	<b>6</b>	1	19	1
Potassium	ppm	<b>0</b>	0	1	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>15</b>	32	9	42
Copper	ppm	<b>&lt;1</b>	<1	1	<1
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	0	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	2
Molybdenum	ppm	<b>7</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>2</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	5	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3115</b>	3603	3726	3732
Magnesium	ppm	<b>45</b>	10	12	10
Zinc	ppm	<b>1373</b>	1417	1246	1555
Phosphorus	ppm	<b>1090</b>	1161	1128	1230
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>108</b>	125	97	95

**Depot:** RELMIL  
**Unique No:** 10753503  
**Signed:** Wes Davis  
**Report Date:** 22 Nov 2023



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## VOLVO GRAPHS

