



# CONSTRUCTION EQUIPMENT

## 9939 VOLVO L50G 2420084 - FRONT AXLE



**Sample No:** VCP388537  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 9939



### SAMPLE INFORMATION

Sample Number	<b>VCP388537</b>	VCP408493	VCP323273	VCP223105
Sample Date	<b>20 Nov 2023</b>	04 May 2023	13 Jul 2021	06 Aug 2019
Machine Hours	<b>6883</b>	6434	5217	4040
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	SEVERE	ABNORMAL	ABNORMAL

**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>41.2</b>	89.0	44.1	40.7
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### CONTAMINATION

Water	%	<b>0.709</b>	10.5	0.563	0.833
Silicon	ppm	<b>8</b>	28	17	11
Sodium	ppm	<b>2</b>	5	2	5
Potassium	ppm	<b>0</b>	2	0	8

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>14</b>	88	38	39
Copper	ppm	<b>3</b>	6	6	4
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>0</b>	2	1	<1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	4	2	<1
Nickel	ppm	<b>&lt;1</b>	4	2	2
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	2	<1
Manganese	ppm	<b>0</b>	2	<1	5
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>863</b>	3565	2331	3131
Magnesium	ppm	<b>3</b>	69	28	2
Zinc	ppm	<b>1383</b>	1553	1317	1376
Phosphorus	ppm	<b>1250</b>	1209	1120	1207
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>23</b>	129	90	113

**Depot:** RELMIL  
**Unique No:** 10763010  
**Signed:** Don Baldrige  
**Report Date:** 30 Nov 2023



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## VOLVO GRAPHS

