



# CONSTRUCTION EQUIPMENT

## 9938 VOLVO L60G 1799 - DIESEL ENGINE



**Sample No:** VCP388541  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9938



### SAMPLE INFORMATION

Sample Number	<b>VCP388541</b>	VCP318166	VCP290935	VCP220602
Sample Date	<b>16 Nov 2023</b>	16 Aug 2021	05 Nov 2020	02 Mar 2020
Machine Hours	<b>7929</b>	6698	6262	5829
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 @ 100°C	cSt	<b>13.1</b>	13.2	13.9	13.9
Base Number (BN)	mg KOH/g	<b>8.3</b>	---	---	---
Oxidation (PA)	%	<b>53</b>	67	55	57

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.1</b>	0.2	0.1	0.2
Nitration (PA)	%	<b>52</b>	73	74	64
Sulfation (PA)	%	<b>50</b>	61	53	52
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>5</b>	7	5	6
Sodium	ppm	<b>1</b>	3	2	5
Potassium	ppm	<b>&lt;1</b>	<1	3	1

### WEAR METALS

Iron	ppm	<b>7</b>	13	11	14
Copper	ppm	<b>1</b>	<1	<1	1
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>4</b>	6	4	9
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>60</b>	94	27	25
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	5	14	6
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	<1	0

### ADDITIVES

Calcium	ppm	<b>1742</b>	1500	1567	1853
Magnesium	ppm	<b>393</b>	670	672	416
Zinc	ppm	<b>1186</b>	800	851	971
Phosphorus	ppm	<b>964</b>	707	734	907
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>124</b>	275	80	56

**Depot:** RELMIL  
**Unique No:** 10752986  
**Signed:** Wes Davis  
**Report Date:** 22 Nov 2023



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## VOLVO GRAPHS

