



# CONSTRUCTION EQUIPMENT

G08921 VOLVO L60E 60214 - DIESEL ENGINE



**Sample No:** VCP449841  
**Oil Type:** SAE 15W40  
**Job No:** G08921



## SAMPLE INFORMATION

Sample Number	<b>VCP449841</b>	VCP091883	VC234204	VC524850
Sample Date	<b>12 Jun 2024</b>	21 Jul 2009	03 Mar 2008	26 Jun 2007
Machine Hours	<b>5013</b>	4000	3286	2988
Oil Hours	<b>0</b>	250	286	250
Oil Changed	<b>N/A</b>	Changed	Changed	Changed
Sample Status	<b>SEVERE</b>	NORMAL	NORMAL	NORMAL

**OLD BRIDGE CONSTRUCTION CO.**  
 6000 SAGEMORE DR. SUITE 6301  
 MARLTON, NJ  
 US 08053  
 Contact: SERVICE MANAGER

## OIL CONDITION

Visc @ 100°C	cSt	<b>▲ 9.3</b>	■ 13.6	■ 13.3	14.54
Base Number (BN)	mg KOH/g	<b>■ 6.3</b>	---	---	---
Oxidation (PA)	%	<b>99</b>	■ 48	■ 46	■ 46

T: (856)985-1200  
 F:

## Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>■ 0.2</b>	■ 0	■ 0	■ 0
Nitration (PA)	%	<b>84</b>	■ 58	■ 55	■ 45
Sulfation (PA)	%	<b>61</b>	■ 44	■ 44	■ 44
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>▲ 13.8</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>■ 5</b>	■ 6	■ 4	■ 6
Sodium	ppm	<b>■ 4</b>	■ 3	■ <1	■ <1
Potassium	ppm	<b>■ 2</b>	■ 5	■ 12	■ <1

## WEAR METALS

Iron	ppm	<b>■ 13</b>	■ 8	■ 10	■ 2
Copper	ppm	<b>■ 1</b>	■ <1	■ <1	■ 0
Lead	ppm	<b>■ 1</b>	■ <1	■ <1	■ <1
Tin	ppm	<b>■ &lt;1</b>	■ 0	■ 0	■ 0
Aluminum	ppm	<b>■ 2</b>	■ 3	■ 2	■ <1
Chromium	ppm	<b>■ 0</b>	■ <1	■ <1	■ <1
Molybdenum	ppm	<b>■ 42</b>	■ <1	■ 0	■ <1
Nickel	ppm	<b>■ &lt;1</b>	■ 0	■ 0	■ <1
Titanium	ppm	<b>■ 0</b>	<1	■ 0	■ 0
Silver	ppm	<b>■ 0</b>	0	■ 0	■ 0
Manganese	ppm	<b>■ 1</b>	<1	0	1
Vanadium	ppm	<b>0</b>	<1	0	0

## ADDITIVES

Calcium	ppm	<b>■ 1468</b>	■ 2395	■ 1769	■ 2073
Magnesium	ppm	<b>■ 436</b>	■ 288	■ 231	■ 268
Zinc	ppm	<b>■ 943</b>	■ 1238	■ 991	■ 1074
Phosphorus	ppm	<b>■ 748</b>	■ 1128	■ 851	■ 894
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	■ 0
Boron	ppm	<b>■ 49</b>	■ 4	■ 4	■ 4

**Depot:** OLDMAR  
**Unique No:** 11085587  
**Signed:** Sean Felton  
**Report Date:** 20 Jun 2024



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## GRAPHS

