



# CONSTRUCTION EQUIPMENT

## 2644-1 VOLVO EC250DL 210030 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP408340  
**Oil Type:** VOLVO AXLE  
**Job No:** 2644-1



### SAMPLE INFORMATION

Sample Number	<b>VCP408340</b>	VCP380614	VCP318299	VCP308994
Sample Date	<b>21 Sep 2023</b>	09 Nov 2022	09 Dec 2021	10 Feb 2021
Machine Hours	<b>12928</b>	12040	10972	10082
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

### MCCLUNG LOGAN

17941 SUSSEX HIGHWAY  
 BRIDGEVILLE, DE  
 US 19933

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### OIL CONDITION

Visc @ 40°C	cSt	<b>49.3</b>	49.4	48.3	63.4
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### CONTAMINATION

Silicon	ppm	<b>6</b>	5	6	10
Sodium	ppm	<b>1</b>	4	4	4
Potassium	ppm	<b>1</b>	0	<1	0



### WEAR METALS

Iron	ppm	<b>722</b>	417	281	497
Copper	ppm	<b>1</b>	<1	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	<1	2	<1
Chromium	ppm	<b>6</b>	4	2	8
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>5</b>	2	1	4
Vanadium	ppm	<b>0</b>	0	0	1



### ADDITIVES

Calcium	ppm	<b>33</b>	105	407	49
Magnesium	ppm	<b>2</b>	3	2	6
Zinc	ppm	<b>21</b>	57	275	25
Phosphorus	ppm	<b>2286</b>	2311	2152	2248
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>157</b>	196	244	186

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO1023  
**Unique No:** 10662665  
**Signed:** Sean Felton  
**Report Date:** 27 Sep 2023



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## VOLVO GRAPHS

