



# CONSTRUCTION EQUIPMENT

## 11097 VOLVO ECR235D 210351 - REAR LEFT FINAL DRIVE



**Sample No:** VCP440550  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 11097



### SAMPLE INFORMATION

Sample Number	<b>VCP440550</b>	VCP399888	VCP358834	VCP348523
Sample Date	<b>13 Sep 2023</b>	13 Jan 2023	31 May 2022	21 Jan 2022
Machine Hours	<b>8650</b>	7920	7494	7230
Oil Hours	<b>0</b>	0	0	500
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	ATTENTION

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### OIL CONDITION

Visc @ 40°C	cSt	<b>126</b>	153	154	155
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### CONTAMINATION

Silicon	ppm	<b>30</b>	21	19	14
Sodium	ppm	<b>3</b>	2	1	11
Potassium	ppm	<b>1</b>	0	0	<1



### WEAR METALS

Iron	ppm	<b>266</b>	351	245	102
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>4</b>	3	3	2
Chromium	ppm	<b>3</b>	4	3	3
Molybdenum	ppm	<b>16</b>	6	6	55
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	4	<1
Manganese	ppm	<b>2</b>	2	2	11
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>702</b>	228	209	269
Magnesium	ppm	<b>178</b>	61	57	51
Zinc	ppm	<b>413</b>	125	147	150
Phosphorus	ppm	<b>919</b>	931	933	876
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>161</b>	166	208	183

### 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.

**Depot:** JAAPHI  
**Unique No:** 10655629  
**Signed:** Sean Felton  
**Report Date:** 20 Sep 2023



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## GRAPHS

