



# CONSTRUCTION EQUIPMENT

716824 SYNERGY VOLVO ECR235 314203 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP450726  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 716824 SYNERGY



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
8418 PALM RIVER ROAD  
TAMPA, FL  
US 33619  
Contact: KENNY HANEY  
khaney@flaglerce.com  
T: (813)630-0077  
F: (813)630-2233



## SAMPLE INFORMATION

Sample Number	<b>VCP450726</b>	VCP330368	VCP336802	---
Sample Date	<b>21 May 2024</b>	09 Jun 2022	15 Nov 2021	---
Machine Hours	<b>4253</b>	2375	1831	---
Oil Hours	<b>0</b>	1000	1000	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>261</b>	178	178	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>50</b>	44	19	---
Sodium	ppm	<b>&lt;1</b>	4	0	---
Potassium	ppm	<b>9</b>	1	1	---



## WEAR METALS

Iron	ppm	<b>624</b>	439	339	---
Copper	ppm	<b>2</b>	<1	<1	---
Lead	ppm	<b>&lt;1</b>	0	<1	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>4</b>	3	1	---
Chromium	ppm	<b>12</b>	13	8	---
Molybdenum	ppm	<b>6</b>	2	2	---
Nickel	ppm	<b>1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>6</b>	5	4	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>81</b>	15	11	---
Magnesium	ppm	<b>22</b>	0	0	---
Zinc	ppm	<b>68</b>	23	9	---
Phosphorus	ppm	<b>899</b>	388	409	---
Barium	ppm	<b>0</b>	0	2	---
Boron	ppm	<b>110</b>	3	2	---

## Diagnosis

The oil change at the time of sampling has been noted. 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:** VOLVO0093  
**Unique No:** 11049317  
**Signed:** Jonathan Hester  
**Report Date:** 31 May 2024



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## GRAPHS

