



# CONSTRUCTION EQUIPMENT

566273 AMERICAN/IMPO VOLVO ECR235EL 311427 - REAR LEFT FINAL DRIVE



**Sample No:** VCP424860  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 566273 AMERICAN/IMPO



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## SAMPLE INFORMATION

Sample Number	<b>VCP424860</b>	VCP331673	VCP334733	---
Sample Date	<b>15 Jun 2023</b>	23 Feb 2022	20 Jul 2021	---
Machine Hours	<b>4260</b>	2210	1707	---
Oil Hours	<b>1000</b>	1000	1000	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>225</b>	273	182	---
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## CONTAMINATION

Silicon	ppm	<b>10</b>	5	12	---
Sodium	ppm	<b>&lt;1</b>	0	3	---
Potassium	ppm	<b>2</b>	<1	4	---



## WEAR METALS

Iron	ppm	<b>87</b>	72	252	---
Copper	ppm	<b>0</b>	1	<1	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>2</b>	2	<1	---
Chromium	ppm	<b>4</b>	1	3	---
Molybdenum	ppm	<b>3</b>	2	<1	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	1	3	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>62</b>	75	14	---
Magnesium	ppm	<b>22</b>	31	0	---
Zinc	ppm	<b>121</b>	49	17	---
Phosphorus	ppm	<b>1101</b>	858	347	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>112</b>	110	10	---

## 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:** VOLVO0093  
**Unique No:** 10551177  
**Signed:** Sean Felton  
**Report Date:** 13 Jul 2023



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## GRAPHS

