



CONSTRUCTION EQUIPMENT

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



Sample No: VCP422655
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 566273 AMERICAN/IMPO



SAMPLE INFORMATION

Sample Number	VCP422655	VCP344370	VCP324607	---
Sample Date	15 Jun 2023	23 Feb 2022	20 Jul 2021	---
Machine Hours	4260	2210	1707	---
Oil Hours	1000	1000	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	267	248	182	---
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CONTAMINATION

Silicon	ppm	7	8	14	---
Sodium	ppm	0	0	3	---
Potassium	ppm	<1	<1	3	---

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.



WEAR METALS

Iron	ppm	49	108	250	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	1	2	<1	---
Chromium	ppm	2	2	2	---
Molybdenum	ppm	4	2	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	1	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	124	71	2	---
Magnesium	ppm	31	25	0	---
Zinc	ppm	122	46	12	---
Phosphorus	ppm	993	760	354	---
Barium	ppm	0	0	0	---
Boron	ppm	100	87	10	---

Depot: VOLVO0093
Unique No: 10551169
Signed: Wes Davis
Report Date: 12 Jul 2023



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GRAPHS

