



CONSTRUCTION EQUIPMENT

933129 SYNERGY VOLVO ECR235 314203 - REAR LEFT FINAL DRIVE



Sample No: VCP363466
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 933129 SYNERGY



SAMPLE INFORMATION

Sample Number	VCP363466	VCP336812	---	---
Sample Date	09 Jun 2022	15 Nov 2021	---	---
Machine Hours	2375	1831	---	---
Oil Hours	1000	1000	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	177	178	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	47	19	---	---
Sodium	ppm	4	0	---	---
Potassium	ppm	<1	1	---	---

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	410	291	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	4	1	---	---
Chromium	ppm	11	6	---	---
Molybdenum	ppm	2	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	5	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	17	6	---	---
Magnesium	ppm	0	0	---	---
Zinc	ppm	24	8	---	---
Phosphorus	ppm	381	409	---	---
Barium	ppm	0	1	---	---
Boron	ppm	3	1	---	---

Depot: VOLVO0093
Unique No: 10045151
Signed: Jonathan Hester
Report Date: 08 Jul 2022



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GRAPHS

