



CONSTRUCTION EQUIPMENT

633743 PRIMORIS VOLVO A40G 352509 - REAR AXLE



Sample No: VCP433434
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 633743 PRIMORIS



SAMPLE INFORMATION

Sample Number	VCP433434	VCP393804	VCP365211	---
Sample Date	16 Nov 2023	25 Apr 2023	16 Aug 2022	---
Machine Hours	5500	4282	3145	---
Oil Hours	1500	3282	500	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	NORMAL	ATTENTION	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	251	51.5	51.9	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	6	4	---
Sodium	ppm	0	0	<1	---
Potassium	ppm	1	3	4	---

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	69	577	443	---
Copper	ppm	<1	5	3	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	0	<1	---
Chromium	ppm	<1	7	6	---
Molybdenum	ppm	11	5	5	---
Nickel	ppm	0	2	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	22	13	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	120	20	15	---
Magnesium	ppm	42	2	<1	---
Zinc	ppm	63	17	10	---
Phosphorus	ppm	1089	2373	2399	---
Barium	ppm	3	0	0	---
Boron	ppm	193	116	169	---

Depot: VOLVO0093
Unique No: 10834509
Signed: Wes Davis
Report Date: 18 Jan 2024



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GRAPHS

