



CONSTRUCTION EQUIPMENT

567435 APTIM VOLVO A35G 340070 - FRONT AXLE



Sample No: VCP417309
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 567435 APTIM



SAMPLE INFORMATION

Sample Number	VCP417309	VCP420407	VCP386643	---
Sample Date	26 Jun 2023	19 Apr 2023	08 Nov 2022	---
Machine Hours	8469	7985	6869	---
Oil Hours	4000	2000	2000	---
Oil Changed	Changed	Not Chngd	Changed	---
Sample Status	ATTENTION	ATTENTION	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 61.0	▲ 60.5	▲ 60.6	---
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CONTAMINATION

Silicon	ppm	■ 7	■ 9	■ 9	---
Sodium	ppm	■ 3	■ 4	■ 3	---
Potassium	ppm	■ <1	■ 5	■ <1	---

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.



WEAR METALS

Iron	ppm	■ 336	■ 385	■ 388	---
Copper	ppm	■ 5	■ 6	■ 5	---
Lead	ppm	■ 0	■ 0	■ 0	---
Tin	ppm	■ 0	■ <1	■ 0	---
Aluminum	ppm	■ 3	■ 3	■ 3	---
Chromium	ppm	■ 4	■ 5	■ 5	---
Molybdenum	ppm	■ 12	■ 12	■ 14	---
Nickel	ppm	■ <1	■ 2	■ 2	---
Titanium	ppm	8	9	■ 11	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 25	■ 25	■ 26	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	■ 95	■ 96	■ 56	---
Magnesium	ppm	■ 1	■ 4	■ <1	---
Zinc	ppm	■ 44	■ 35	■ 9	---
Phosphorus	ppm	■ 1459	■ 1476	■ 1338	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 168	■ 173	■ 169	---

Depot: VOLVO0093
Unique No: 10573604
Signed: Don Baldrige
Report Date: 27 Jul 2023



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VOLVO GRAPHS

