



CONSTRUCTION EQUIPMENT

567073 APTIM VOLVO A35G 340232 - REAR AXLE



Sample No: VCP418268
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 567073 APTIM



SAMPLE INFORMATION

Sample Number	VCP418268	VCP410347	VCP373186	---
Sample Date	23 Jun 2023	16 Mar 2023	26 May 2022	---
Machine Hours	7810	7309	6196	---
Oil Hours	4000	3309	2000	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ATTENTION	ATTENTION	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 52.0	▲ 52.4	■ 50.8	---
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CONTAMINATION

Silicon	ppm	■ 15	■ 5	■ 6	---
Sodium	ppm	■ 3	■ 3	■ 2	---
Potassium	ppm	■ <1	■ 0	■ 2	---

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	■ 654	■ 444	■ 569	---
Copper	ppm	■ 7	■ 5	■ 5	---
Lead	ppm	■ 0	■ 0	■ <1	---
Tin	ppm	■ 0	■ 0	■ 0	---
Aluminum	ppm	■ 2	■ <1	■ <1	---
Chromium	ppm	■ 8	■ 5	■ 7	---
Molybdenum	ppm	■ 8	■ 6	■ 9	---
Nickel	ppm	■ 2	■ 2	■ 1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ 17	■ 13	■ 16	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 35	■ 21	■ 23	---
Magnesium	ppm	■ 1	■ 1	■ 1	---
Zinc	ppm	■ 41	■ 43	■ 37	---
Phosphorus	ppm	■ 2445	■ 2400	■ 2354	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 112	■ 130	■ 95	---

Depot: VOLVO0093
Unique No: 10573605
Signed: Don Baldrige
Report Date: 27 Jul 2023



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GRAPHS

