



CONSTRUCTION EQUIPMENT

621032 APTIM VOLVO A35G 340083 - REAR AXLE



Sample No: VCP431644
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 621032 APTIM



SAMPLE INFORMATION

Sample Number	VCP431644	VCP396000	---	---
Sample Date	24 Oct 2023	09 Feb 2023	---	---
Machine Hours	5943	3438	---	---
Oil Hours	1900	1400	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 61.5	▲ 63.3	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 26	■ 8	---	---
Sodium	ppm	■ 4	■ 3	---	---
Potassium	ppm	■ 3	■ 0	---	---



WEAR METALS

Iron	ppm	■ 372	■ 173	---	---
Copper	ppm	■ 3	■ 6	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ 4	■ 2	---	---
Chromium	ppm	■ 4	■ 3	---	---
Molybdenum	ppm	■ 14	■ 12	---	---
Nickel	ppm	■ <1	■ <1	---	---
Titanium	ppm	1	5	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 20	■ 17	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 159	■ 42	---	---
Magnesium	ppm	■ 0	■ 0	---	---
Zinc	ppm	■ 50	10	---	---
Phosphorus	ppm	■ 1539	■ 1301	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 148	■ 207	---	---

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 oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0093
Unique No: 10753480
Signed: Don Baldrige
Report Date: 24 Nov 2023



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GRAPHS

