



CONSTRUCTION EQUIPMENT

594615 APTIM VOLVO A30G 740273 - BOGIE/CENTER AXLE



Sample No: VCP417082
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 594615 APTIM



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SAMPLE INFORMATION

Sample Number	VCP417082	VCP364494	---	---
Sample Date	22 Aug 2023	01 Sep 2022	---	---
Machine Hours	11091	10152	---	---
Oil Hours	4000	2000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 59.7	▲ 60.0	---	---
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CONTAMINATION

Silicon	ppm	■ 23	■ 10	---	---
Sodium	ppm	■ 1	■ 0	---	---
Potassium	ppm	■ 0	■ 2	---	---



WEAR METALS

Iron	ppm	■ 437	■ 218	---	---
Copper	ppm	■ 20	■ 17	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 1	■ <1	---	---
Aluminum	ppm	■ 5	■ 2	---	---
Chromium	ppm	■ 5	■ 3	---	---
Molybdenum	ppm	■ 2	■ 1	---	---
Nickel	ppm	■ 4	■ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 7	■ 5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 32	■ 35	---	---
Magnesium	ppm	■ 0	■ <1	---	---
Zinc	ppm	■ 15	■ 22	---	---
Phosphorus	ppm	■ 1706	1888	---	---
Barium	ppm	■ 0	■ 2	---	---
Boron	ppm	■ 57	■ 120	---	---

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.

Depot: VOLVO0093
Unique No: 10669046
Signed: Don Baldrige
Report Date: 28 Sep 2023



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GRAPHS

