



CONSTRUCTION EQUIPMENT

443773 VOLVO A40G 342315 - BOGIE/CENTER AXLE



Sample No: VCP441072
Oil Type: GEAR OIL SAE 85W140
Job No: 443773



SAMPLE INFORMATION

Sample Number	VCP441072	VCP332235	VCP301938	---
Sample Date	01 Feb 2024	16 Dec 2021	26 Mar 2021	---
Machine Hours	7233	3976	3215	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	Not Changd	---
Sample Status	ATTENTION	ATTENTION	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 124	▲ 125	■ 129	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 5	■ 2	■ 4	---
Sodium	ppm	■ 0	■ <1	■ 2	---
Potassium	ppm	■ 0	■ 0	■ <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	■ 109	■ 46	■ 37	---
Copper	ppm	■ 0	■ <1	■ <1	---
Lead	ppm	■ 0	■ 0	■ 0	---
Tin	ppm	■ 0	■ 0	■ 0	---
Aluminum	ppm	■ 1	■ <1	■ 0	---
Chromium	ppm	■ <1	■ <1	■ <1	---
Molybdenum	ppm	■ 7	■ 7	■ 7	---
Nickel	ppm	■ 0	■ 0	■ <1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	■ 2	■ <1	■ <1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 126	■ 155	■ 216	---
Magnesium	ppm	30	■ 34	■ 43	---
Zinc	ppm	■ 87	■ 84	■ 104	---
Phosphorus	ppm	■ 995	■ 992	■ 916	---
Barium	ppm	■ 2	■ 0	■ 0	---
Boron	ppm	■ 177	■ 186	■ 199	---

Depot: VOLVO0090
Unique No: 10871384
Signed: Don Baldrige
Report Date: 11 Feb 2024



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GRAPHS

