



CONSTRUCTION EQUIPMENT

W07012289-1 VOLVO A40G 341458 - BOGIE/CENTER AXLE



Sample No: VCP399863
Oil Type: GEAR OIL SAE 85W90
Job No: W07012289-1



McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
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SAMPLE INFORMATION

Sample Number	VCP399863	VCP250744	VCP191642	---
Sample Date	23 Feb 2023	26 Jun 2019	12 Jul 2017	---
Machine Hours	6947	3981	1042	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	ATTENTION	ATTENTION	ABNORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 63.9	▲ 51.3	52.17	---
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CONTAMINATION

Silicon	ppm	■ 2	■ 0	■ 0	---
Sodium	ppm	■ <1	■ 1	■ 3	---
Potassium	ppm	■ 0	■ 0	■ 2	---



WEAR METALS

Iron	ppm	■ 42	■ 103	■ 212	---
Copper	ppm	■ 2	■ 2	■ 4	---
Lead	ppm	■ 0	■ <1	■ <1	---
Tin	ppm	■ 0	■ 0	■ <1	---
Aluminum	ppm	■ 1	■ <1	■ 0	---
Chromium	ppm	■ <1	■ 1	■ 4	---
Molybdenum	ppm	■ 2	■ <1	4	---
Nickel	ppm	■ <1	■ <1	■ 1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	■ 1	■ 3	11	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 60	■ 9	10	---
Magnesium	ppm	■ 15	■ <1	0	---
Zinc	ppm	■ 44	■ 10	7	---
Phosphorus	ppm	■ 1537	■ 2272	2363	---
Barium	ppm	■ <1	■ 0	0	---
Boron	ppm	■ 182	■ 224	266	---

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: VOLVO8882
Unique No: 10351073
Signed: Angela Borella
Report Date: 27 Feb 2023



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GRAPHS

