



CONSTRUCTION EQUIPMENT

SPM608117 VOLVO A25G 752683 - FRONT AXLE



Sample No: VCP433601
Oil Type: GEAR OIL SAE 85W140
Job No: SPM608117



SAMPLE INFORMATION

Sample Number	VCP433601	---	---	---
Sample Date	28 Sep 2023	---	---	---
Machine Hours	617	---	---	---
Oil Hours	617	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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OIL CONDITION

Visc @ 40°C	cSt	▲ 103	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 61	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 6	---	---	---



WEAR METALS

Iron	ppm	■ 259	---	---	---
Copper	ppm	■ 21	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 5	---	---	---
Molybdenum	ppm	■ 6	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 10	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 229	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 111	---	---	---
Phosphorus	ppm	■ 1420	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 293	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0090
Unique No: 10701573
Signed: Don Baldrige
Report Date: 21 Oct 2023



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GRAPHS

