



CONSTRUCTION EQUIPMENT

593983 VOLVO A45G 342685 - BOGIE/CENTER AXLE



Sample No: VCP417656
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 593983



SAMPLE INFORMATION

Sample Number	VCP417656	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	4781	---	---	---
Oil Hours	3781	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rtturner@ripatampa.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 271	---	---	---
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CONTAMINATION

Silicon	ppm	█ 34	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 614	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 11	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 13	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 146	---	---	---
Magnesium	ppm	█ 41	---	---	---
Zinc	ppm	█ 119	---	---	---
Phosphorus	ppm	█ 1014	---	---	---
Barium	ppm	█ 7	---	---	---
Boron	ppm	█ 187	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RIPTAM
Unique No: 10607553
Signed: Don Baldrige
Report Date: 18 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

