



# CONSTRUCTION EQUIPMENT

687510 VOLVO A40G 752073 - FRONT AXLE



**Sample No:** VCP437079  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 687510



## SAMPLE INFORMATION

Sample Number	VCP437079	---	---	---
Sample Date	12 Mar 2024	---	---	---
Machine Hours	1131	---	---	---
Oil Hours	1131	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

### RIPA AND ASSOCIATES

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



## OIL CONDITION

Visc @ 40°C	cSt	● 52.5	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 0	---	---	---



## WEAR METALS

Iron	ppm	■ 177	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 10	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 13	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 189	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 70	---	---	---
Phosphorus	ppm	2595	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 276	---	---	---

### Diagnosis

No corrective action is recommended at this time. 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:** RIPTAM  
**Unique No:** 10976312  
**Signed:** Don Baldrige  
**Report Date:** 15 Apr 2024



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## GRAPHS

