



# CONSTRUCTION EQUIPMENT

## 7163 VOLVO A40G 752051 - FRONT AXLE



**Sample No:** VCP434661  
**Oil Type:** VOLVO 85W90  
**Job No:** 7163



### SAMPLE INFORMATION

Sample Number	VCP434661	---	---	---
Sample Date	04 Dec 2023	---	---	---
Machine Hours	980	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**364 - ASCENDUM MACHINERY INC - MACON**  
 4807 HARRISON RD  
 MACON, GA  
 US 31206  
 Contact: HALIE BAKER  
 halie.baker@ascendummachinery.com  
 T:  
 F: (478)200-5859



### OIL CONDITION

Visc @ 40°C	cSt	▲ 51.9	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---



### WEAR METALS

Iron	ppm	■ 219	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	7	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	123	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	42	---	---	---
Phosphorus	ppm	2499	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	245	---	---	---

### 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 a high amount of visible silt present in the sample. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** ASCMAC  
**Unique No:** 10789011  
**Signed:** Jonathan Hester  
**Report Date:** 18 Dec 2023



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## GRAPHS

