



# CONSTRUCTION EQUIPMENT

## W07013364-1 AVANT 423 111861 - HYDRAULIC SYSTEM



**Sample No:** VCP407975  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** W07013364-1



### SAMPLE INFORMATION

Sample Number	VCP407975	---	---	---
Sample Date	29 Aug 2023	---	---	---
Machine Hours	121	---	---	---
Oil Hours	121	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**McClung-Logan Virginia LLC- RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.37	---	---	---



### CONTAMINATION

Particles >4µm		▲ 65372	---	---	---
Particles >6µm		▲ 2999	---	---	---
Particles >14µm		█ 14	---	---	---
ISO 4406:1999 (c)		23/19/11	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Oil and filter 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. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 78	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 516	---	---	---
Phosphorus	ppm	█ 390	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO8882  
**Unique No:** 10631007  
**Signed:** Don Baldrige  
**Report Date:** 07 Sep 2023



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## VOLVO GRAPHS

