



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 742123 - BOGIE/CENTER AXLE



**Sample No:** VCP415656  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP415656</b>	VCP415504	VCP238877	---
Sample Date	<b>05 Jul 2023</b>	22 Jun 2023	10 May 2019	---
Machine Hours	<b>0</b>	5812	581	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Changed</b>	N/A	Changed	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

**215 - ASCENDUM MACHINERY INC - CAYCE**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>107</b>	104	61.6	---
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### CONTAMINATION

Silicon	ppm	<b>▲ 86</b>	▲ 59	■ 4	---
Sodium	ppm	■ 3	■ 2	■ 5	---
Potassium	ppm	■ 2	■ 4	■ 1	---



### WEAR METALS

Iron	ppm	■ 226	■ 146	■ 121	---
Copper	ppm	■ 11	■ 12	■ 16	---
Lead	ppm	■ 0	■ 0	■ 0	---
Tin	ppm	■ <1	■ <1	■ <1	---
Aluminum	ppm	▲ 15	■ 7	■ <1	---
Chromium	ppm	■ 3	■ 2	■ 4	---
Molybdenum	ppm	■ 2	2	5	---
Nickel	ppm	■ 2	■ 2	■ 2	---
Titanium	ppm	2	1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 4	3	12	---
Vanadium	ppm	0	0	0	---



### ADDITIVES

Calcium	ppm	■ 88	90	35	---
Magnesium	ppm	■ 27	25	0	---
Zinc	ppm	■ 71	60	8	---
Phosphorus	ppm	■ 1287	1423	1264	---
Barium	ppm	■ <1	0	0	---
Boron	ppm	■ 395	368	175	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. 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. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0013  
**Unique No:** 10548928  
**Signed:** Don Baldrige  
**Report Date:** 11 Jul 2023



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## GRAPHS

