



# CONSTRUCTION EQUIPMENT

WO7013189-2 VOLVO EC250E 310555 - REAR LEFT FINAL DRIVE



**Sample No:** VCP409378  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** WO7013189-2



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

Sample Number	VCP409378	VCP407658	---	---
Sample Date	14 Aug 2023	09 Aug 2023	---	---
Machine Hours	1842	1841	---	---
Oil Hours	1	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ATTENTION	ABNORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	▲ 58.3	■ 156	---	---
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## CONTAMINATION

Silicon	ppm	■ 44	▲ 247	---	---
Sodium	ppm	■ 2	■ 4	---	---
Potassium	ppm	■ 3	■ 14	---	---



## WEAR METALS

Iron	ppm	■ 295	▲ 1110	---	---
Copper	ppm	■ 0	■ 1	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ <1	■ <1	---	---
Aluminum	ppm	■ 7	▲ 51	---	---
Chromium	ppm	■ 3	▲ 14	---	---
Molybdenum	ppm	■ 1	■ 20	---	---
Nickel	ppm	■ <1	■ 1	---	---
Titanium	ppm	<1	5	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	■ 3	■ 11	---	---
Vanadium	ppm	0	<1	---	---



## ADDITIVES

Calcium	ppm	■ 79	■ 670	---	---
Magnesium	ppm	■ 29	■ 220	---	---
Zinc	ppm	■ 48	■ 407	---	---
Phosphorus	ppm	■ 2286	■ 838	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 254	■ 86	---	---

## Diagnosis

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:** VOLVO8882  
**Unique No:** 10606350  
**Signed:** Don Baldrige  
**Report Date:** 17 Aug 2023



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## GRAPHS

