



# CONSTRUCTION EQUIPMENT

W07013189-2 VOLVO EC250E 3 10555 - REAR LEFT FINAL DRIVE



**Sample No:** VCP407658  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** W07013189-2



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

Sample Number	VCP407658	---	---	---
Sample Date	09 Aug 2023	---	---	---
Machine Hours	1841	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 156	---	---	---
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## CONTAMINATION

Silicon	ppm	▲ 247	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 14	---	---	---



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	█ 670	---	---	---
Magnesium	ppm	█ 220	---	---	---
Zinc	ppm	█ 407	---	---	---
Phosphorus	ppm	█ 838	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 86	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. 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:** VOLVO8882  
**Unique No:** 10602886  
**Signed:** Sean Felton  
**Report Date:** 14 Aug 2023

**VOLVO** **GRAPHS**

