



# CONSTRUCTION EQUIPMENT

## SW1029086 RENTAL VOLVO EC200E 315145 - REAR LEFT FINAL DRIVE



**Sample No:** VCP437340  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SW1029086 RENTAL



**ARNOLD MACHINERY COMPANY**  
 4323 EAST WINSLOW AVENUE  
 PHOENIX, AZ  
 US 85040  
 Contact: RANDY PRZEKURAT  
 randyp@arnoldmachinery.com  
 T:  
 F: (602)414-1904



### SAMPLE INFORMATION

Sample Number	VCP437340	---	---	---
Sample Date	19 Feb 2024	---	---	---
Machine Hours	456	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



### OIL CONDITION

Visc @ 40°C	cSt	█ 169	---	---	---
-------------	-----	-------	-----	-----	-----



### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 3	---	---	---



### WEAR METALS

Iron	ppm	▲ 551	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 11	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 5	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 18	---	---	---
Phosphorus	ppm	█ 300	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 3	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO6174  
**Unique No:** 10898669  
**Signed:** Jonathan Hester  
**Report Date:** 28 Feb 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

