



# CONSTRUCTION EQUIPMENT

## TERRAMAC RT14R 14RH00163 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP405068  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP405068	---	---	---
Sample Date	01 May 2023	---	---	---
Machine Hours	2501	---	---	---
Oil Hours	250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

### ALTA EQUIPMENT

2500 WESTWARD DR  
 SPRING GROVE, IL  
 US 60081  
 Contact: EVAN RICKERT  
 evan.richert@altg.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	■ 147	---	---	---
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### CONTAMINATION

Silicon	ppm	◆ 423	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 21	---	---	---

### 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 advise that you inspect for the source(s) of wear. Moderate concentration of visible metal present. Gear wear is indicated. Bearing and/or bushing wear is indicated. Generally an abnormal to severe rate of wear throughout the component. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

Iron	ppm	◆ 6688	---	---	---
Copper	ppm	◆ 2387	---	---	---
Lead	ppm	◆ 119	---	---	---
Tin	ppm	◆ 237	---	---	---
Aluminum	ppm	▲ 58	---	---	---
Chromium	ppm	◆ 59	---	---	---
Molybdenum	ppm	■ 39	---	---	---
Nickel	ppm	■ 11	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 38	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	■ 51	---	---	---
Magnesium	ppm	■ 28	---	---	---
Zinc	ppm	■ 69	---	---	---
Phosphorus	ppm	■ 1401	---	---	---
Barium	ppm	■ 8	---	---	---
Boron	ppm	■ 77	---	---	---

**Depot:** ALTSPR  
**Unique No:** 10454409  
**Signed:** Don Baldrige  
**Report Date:** 04 May 2023



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## VOLVO GRAPHS

