



# CONSTRUCTION EQUIPMENT

392448 ALTA RENTS VOLVO EC380 314416 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP417686  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 392448 ALTA RENTS



**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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## SAMPLE INFORMATION

Sample Number	VCP417686	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	3633	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	280	---	---	---
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## CONTAMINATION

Silicon	ppm	298	---	---	---
Sodium	ppm	<1	---	---	---
Potassium	ppm	1	---	---	---



## WEAR METALS

Iron	ppm	1469	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	14	---	---	---
Chromium	ppm	15	---	---	---
Molybdenum	ppm	5	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	9	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	107	---	---	---
Magnesium	ppm	22	---	---	---
Zinc	ppm	62	---	---	---
Phosphorus	ppm	879	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	69	---	---	---

## 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. Confirm oil type. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0096  
**Unique No:** 10712173  
**Signed:** Don Baldrige  
**Report Date:** 27 Oct 2023



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## GRAPHS

