



# CONSTRUCTION EQUIPMENT

## 606491 VOLVO 220 315389 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP412218  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 606491



### SAMPLE INFORMATION

Sample Number	VCP412218	---	---	---
Sample Date	08 Sep 2023	---	---	---
Machine Hours	1133	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 176	---	---	---
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### CONTAMINATION

Silicon	ppm	█ 33	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 12	---	---	---



### WEAR METALS

Iron	ppm	▲ 665	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 10	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 10	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 8	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 19	---	---	---
Phosphorus	ppm	█ 283	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 3	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. NOTE: one of two samples received with same ID and sampling date. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0096  
**Unique No:** 10646472  
**Signed:** Don Baldrige  
**Report Date:** 18 Sep 2023



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## GRAPHS

