



# CONSTRUCTION EQUIPMENT

## VOLVO L20H 1220100 - REAR AXLE



**Sample No:** VCP433579  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP433579	---	---	---
Sample Date	24 Sep 2023	---	---	---
Machine Hours	5056	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	▲ 51.2	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 35	---	---	---
Sodium	ppm	■ 14	---	---	---
Potassium	ppm	■ 2	---	---	---



### WEAR METALS

Iron	ppm	■ 322	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 6	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 20	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 2860	---	---	---
Magnesium	ppm	■ 10	---	---	---
Zinc	ppm	■ 1292	---	---	---
Phosphorus	ppm	■ 1033	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 99	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO0090  
**Unique No:** 10669681  
**Signed:** Don Baldrige  
**Report Date:** 29 Sep 2023



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## GRAPHS

