



# CONSTRUCTION EQUIPMENT

8000382533 VOLVO L20HS VCEL20HSP01220259 - REAR DIFFERENTIAL



**Sample No:** VCP391799  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 8000382533



## SAMPLE INFORMATION

Sample Number	VCP391799	---	---	---
Sample Date	31 Oct 2023	---	---	---
Machine Hours	2957	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
 Contact: Perry Doyle  
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 T: (403)346-3473  
 F: (403)346-3487



## OIL CONDITION

Visc @ 40°C	cSt	▲ 102	---	---	---
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## CONTAMINATION

Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ <1	---	---	---



## WEAR METALS

Iron	ppm	■ 85	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	▲ 1151	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	▲ 476	---	---	---
Phosphorus	ppm	■ 1177	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 151	---	---	---

## Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO9652  
**Unique No:** 5670801  
**Signed:** Kevin Marson  
**Report Date:** 02 Nov 2023



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## VOLVO GRAPHS

