



# CONSTRUCTION EQUIPMENT

8000382533 VOLVO L20HS VCEL20HSP01220259 - FRONT DIFFERENTIAL



**Sample No:** VCP391811  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 8000382533



## SAMPLE INFORMATION

Sample Number	VCP391811	---	---	---
Sample Date	31 Oct 2023	---	---	---
Machine Hours	2957	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**STRONGCO EQUIP (AB)**  
 6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
 Contact: Perry Doyle  
 pdoyle@strongco.com  
 T: (403)346-3473  
 F: (403)346-3487



## OIL CONDITION

Visc @ 40°C	cSt	█ 114	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 167	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	2	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	▲ 1037	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	▲ 423	---	---	---
Phosphorus	ppm	█ 1167	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 162	---	---	---

## 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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO9652  
**Unique No:** 5670800  
**Signed:** Kevin Marson  
**Report Date:** 02 Nov 2023



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## VOLVO GRAPHS

