



# CONSTRUCTION EQUIPMENT

18915 HERC RENTAL VOLVO EC200EL 314175 - REAR LEFT FINAL DRIVE



**Sample No:** VCP417109  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 18915 HERC RENTAL



**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
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## SAMPLE INFORMATION

Sample Number	VCP417109	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	2078	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 178	---	---	---
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## CONTAMINATION

Water	%	▲ 0.488	---	---	---
Silicon	ppm	◆ 1410	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 8	---	---	---



## WEAR METALS

Iron	ppm	◆ 3602	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 87	---	---	---
Chromium	ppm	◆ 30	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	9	---	---	---
Titanium	ppm	█ 16	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 29	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 11	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 2	---	---	---
Phosphorus	ppm	█ 108	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

## Diagnosis

We advise that you check for the source of water entry. 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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a moderate concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO8769  
**Unique No:** 10538962  
**Signed:** Don Baldrige  
**Report Date:** 05 Jul 2023



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## GRAPHS

