



# CONSTRUCTION EQUIPMENT

## 305087 VOLVO EC380E 311590 - REAR LEFT FINAL DRIVE



**Sample No:** VCP273123  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 305087



### SAMPLE INFORMATION

Sample Number	VCP273123	---	---	---
Sample Date	12 Nov 2021	---	---	---
Machine Hours	3312	---	---	---
Oil Hours	303	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

### STRONGCO EQUIPMENT-EDMONTON

25616 117 Ave NW

Acheson, AB

CA T7X 6C2

Contact: Jonathan Morton

[jmorton@strongco.com](mailto:jmorton@strongco.com)

T: (780)464-1909

F: (780)464-0434



### OIL CONDITION

Visc @ 40°C	cSt	█ 124	---	---	---
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### CONTAMINATION

Silicon	ppm	█ 101	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 5	---	---	---



### WEAR METALS

Iron	ppm	█ 462	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 20	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 26	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	11	---	---	---
Phosphorus	ppm	1934	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 109	---	---	---

### 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:** VOLVO3908

**Unique No:** 5331681

**Signed:** Kevin Marson

**Report Date:** 24 Dec 2021



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## GRAPHS

