



# CONSTRUCTION EQUIPMENT

8000387032 VOLVO EC160EL 314249 - SWING DRIVE



**Sample No:** VCP392839  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 8000387032



## SAMPLE INFORMATION

Sample Number	VCP392839	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	1658	---	---	---
Oil Hours	604	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**STRONGCO EQUIPMENT INC.**  
 55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK  
 DARTMOUTH, NS  
 CA B3B 1N6  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 133	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 8	---	---	---



## WEAR METALS

Iron	ppm	█ 169	---	---	---
Copper	ppm	█ 22	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 212	---	---	---
Magnesium	ppm	70	---	---	---
Zinc	ppm	200	---	---	---
Phosphorus	ppm	█ 857	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 84	---	---	---

## 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:** SHEDAR  
**Unique No:** 5694399  
**Signed:** Wes Davis  
**Report Date:** 06 Dec 2023



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## GRAPHS

