



# CONSTRUCTION EQUIPMENT

## 24430 VOLVO EC480EL 314658 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP429033  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 24430



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### SAMPLE INFORMATION

Sample Number	<b>VCP429033</b>	VCP339101	---	---
Sample Date	<b>16 Nov 2023</b>	09 Feb 2022	---	---
Machine Hours	<b>3969</b>	736	---	---
Oil Hours	<b>1000</b>	0	---	---
Oil Changed	<b>Changed</b>	N/A	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>62.5</b>	51.2	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>242</b>	<1	---	---
Sodium	ppm	<b>2</b>	1	---	---
Potassium	ppm	<b>4</b>	4	---	---



### WEAR METALS

Iron	ppm	<b>3563</b>	<1	---	---
Copper	ppm	<b>4</b>	0	---	---
Lead	ppm	<b>0</b>	<1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>28</b>	0	---	---
Chromium	ppm	<b>25</b>	0	---	---
Molybdenum	ppm	<b>4</b>	<1	---	---
Nickel	ppm	<b>2</b>	<1	---	---
Titanium	ppm	<b>2</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>18</b>	0	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>1066</b>	37	---	---
Magnesium	ppm	<b>17</b>	8	---	---
Zinc	ppm	<b>28</b>	20	---	---
Phosphorus	ppm	<b>2080</b>	2592	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>128</b>	292	---	---

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO3387  
**Unique No:** 10753462  
**Signed:** Doug Bogart  
**Report Date:** 24 Nov 2023



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## GRAPHS

