



# CONSTRUCTION EQUIPMENT

## VOLVO EC220EL 314928 - SWING DRIVE



**Sample No:** VCP43279  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP43279</b>	VCP385010	VCP403833	---
Sample Date	<b>18 Jun 2024</b>	28 Nov 2023	25 Apr 2023	---
Machine Hours	<b>1515</b>	1040	510	---
Oil Hours	<b>0</b>	0	500	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**LEONARDS CONTRACTING**  
 30850 STEPHENSON HWY  
 MADISON HEIGHTS, MI  
 US 48071  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>168</b>	169	169	---
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### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<b>8</b>	8	8	---
Sodium	ppm	<b>1</b>	2	2	---
Potassium	ppm	<b>0</b>	0	1	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

### WEAR METALS

Iron	ppm	<b>123</b>	93	94	---
Copper	ppm	<b>11</b>	11	11	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	1	---
Chromium	ppm	<b>2</b>	2	2	---
Molybdenum	ppm	<b>0</b>	0	<1	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>3</b>	2	3	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>61</b>	0	6	---
Magnesium	ppm	<b>0</b>	0	<1	---
Zinc	ppm	<b>32</b>	0	9	---
Phosphorus	ppm	<b>352</b>	294	367	---
Barium	ppm	<b>3</b>	0	2	---
Boron	ppm	<b>2</b>	0	0	---

**Depot:** LEOMAD  
**Unique No:** 11099781  
**Signed:** Angela Borella  
**Report Date:** 28 Jun 2024



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## GRAPHS

