



# CONSTRUCTION EQUIPMENT

## 297630 VOLVO EC480EL 3 10354 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP427030  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 297630



### SAMPLE INFORMATION

Sample Number	<b>VCP427030</b>	VCP330836	---	---
Sample Date	<b>28 Jun 2023</b>	29 Sep 2022	---	---
Machine Hours	<b>6940</b>	6700	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Chngd</b>	N/A	---	---
Sample Status	<b>NORMAL</b>	SEVERE	---	---

### SENECA MEADOWS

1786 SALCMAN ROAD  
 WATERLOO, NY  
 US

Contact: EDWARD BARTO  
 ebarto@iesi.com  
 T: (315)539-5624  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>135</b>	122	---	---
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### CONTAMINATION

Silicon	ppm	<b>66</b>	441	---	---
Sodium	ppm	<b>&lt;1</b>	8	---	---
Potassium	ppm	<b>4</b>	51	---	---



### WEAR METALS

Iron	ppm	<b>494</b>	1573	---	---
Copper	ppm	<b>&lt;1</b>	3	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>13</b>	126	---	---
Chromium	ppm	<b>3</b>	13	---	---
Molybdenum	ppm	<b>&lt;1</b>	2	---	---
Nickel	ppm	<b>0</b>	1	---	---
Titanium	ppm	<b>&lt;1</b>	7	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>3</b>	12	---	---
Vanadium	ppm	<b>&lt;1</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>67</b>	214	---	---
Magnesium	ppm	<b>0</b>	25	---	---
Zinc	ppm	<b>13</b>	13	---	---
Phosphorus	ppm	<b>1008</b>	1065	---	---
Barium	ppm	<b>0</b>	<1	---	---
Boron	ppm	<b>261</b>	268	---	---

### Diagnosis

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

**Depot:** SENWAT  
**Unique No:** 10546417  
**Signed:** Wes Davis  
**Report Date:** 06 Jul 2023



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## GRAPHS

