



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 314981 - LEFT SWING DRIVE



**Sample No:** VCP433869  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP433869</b>	VCP369465	VCP405903	VCP402272
Sample Date	<b>23 Oct 2023</b>	07 Aug 2023	07 Jun 2023	22 Mar 2023
Machine Hours	<b>2416</b>	1929	1475	982
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>134</b>	137	138	169
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### CONTAMINATION

Silicon	ppm	<b>6</b>	12	7	24
Sodium	ppm	<b>2</b>	0	1	1
Potassium	ppm	<b>0</b>	1	<1	1



### WEAR METALS

Iron	ppm	<b>40</b>	84	75	281
Copper	ppm	<b>6</b>	14	9	28
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	3
Chromium	ppm	<b>&lt;1</b>	1	1	4
Molybdenum	ppm	<b>&lt;1</b>	2	2	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	1
Manganese	ppm	<b>&lt;1</b>	1	1	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>48</b>	22	22	10
Magnesium	ppm	<b>32</b>	17	18	<1
Zinc	ppm	<b>71</b>	70	55	12
Phosphorus	ppm	<b>899</b>	782	840	394
Barium	ppm	<b>0</b>	3	0	0
Boron	ppm	<b>52</b>	29	29	0

### 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:** SAIBIR  
**Unique No:** 10723043  
**Signed:** Don Baldrige  
**Report Date:** 01 Nov 2023



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## GRAPHS

