



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 314981 - LEFT SWING DRIVE



**Sample No:** VCP369465  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP369465</b>	VCP405903	VCP402272	VCP371402
Sample Date	<b>07 Aug 2023</b>	07 Jun 2023	22 Mar 2023	11 Jan 2023
Machine Hours	<b>1929</b>	1475	982	499
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	138	169	170
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### CONTAMINATION

Silicon	ppm	<b>12</b>	7	24	23
Sodium	ppm	<b>0</b>	1	1	2
Potassium	ppm	<b>1</b>	<1	1	<1



### WEAR METALS

Iron	ppm	<b>84</b>	75	281	173
Copper	ppm	<b>14</b>	9	28	28
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	<1	3	2
Chromium	ppm	<b>1</b>	1	4	2
Molybdenum	ppm	<b>2</b>	2	<1	<1
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	1	0
Manganese	ppm	<b>1</b>	1	4	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>22</b>	22	10	7
Magnesium	ppm	<b>17</b>	18	<1	<1
Zinc	ppm	<b>70</b>	55	12	23
Phosphorus	ppm	<b>782</b>	840	394	381
Barium	ppm	<b>3</b>	0	0	0
Boron	ppm	<b>29</b>	29	0	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:** 10607530  
**Signed:** Don Baldrige  
**Report Date:** 18 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

