



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 314981 - LEFT SWING DRIVE



**Sample No:** VCP432033  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP432033</b>	VCP433869	VCP369465	VCP405903
Sample Date	<b>07 Feb 2024</b>	23 Oct 2023	07 Aug 2023	07 Jun 2023
Machine Hours	<b>2922</b>	2416	1929	1475
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

4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207  
 Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



### OIL CONDITION

Visc @ 40°C	cSt	<b>134</b>	134	137	138
-------------	-----	------------	-----	-----	-----



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>7</b>	6	12	7
Sodium	ppm	<b>0</b>	2	0	1
Potassium	ppm	<b>&lt;1</b>	0	1	<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 oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>52</b>	40	84	75
Copper	ppm	<b>7</b>	6	14	9
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>1</b>	<1	<1	<1
Chromium	ppm	<b>1</b>	<1	1	1
Molybdenum	ppm	<b>3</b>	<1	2	2
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	1	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>36</b>	48	22	22
Magnesium	ppm	<b>20</b>	32	17	18
Zinc	ppm	<b>76</b>	71	70	55
Phosphorus	ppm	<b>931</b>	899	782	840
Barium	ppm	<b>0</b>	0	3	0
Boron	ppm	<b>53</b>	52	29	29

**Depot:** SAIBIR  
**Unique No:** 10883440  
**Signed:** Don Baldrige  
**Report Date:** 17 Feb 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

