



# CONSTRUCTION EQUIPMENT

## SWO-072820 VOLVO EC480E 314146 - RIGHT SWING DRIVE



**Sample No:** VCP439681  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-072820



### SAMPLE INFORMATION

Sample Number	<b>VCP439681</b>	VCP441304	VCP419212	VCP424675
Sample Date	<b>12 Jun 2024</b>	31 Jan 2024	28 Aug 2023	03 May 2023
Machine Hours	<b>7399</b>	6892	6421	5940
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>153</b>	268	269	133
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	23	14	3
Sodium	ppm	<b>&lt;1</b>	0	<1	0
Potassium	ppm	<b>&lt;1</b>	2	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>146</b>	396	571	33
Copper	ppm	<b>5</b>	12	12	2
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>2</b>	6	5	1
Chromium	ppm	<b>2</b>	4	5	<1
Molybdenum	ppm	<b>3</b>	5	3	3
Nickel	ppm	<b>&lt;1</b>	1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	4	4	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>37</b>	106	71	25
Magnesium	ppm	<b>17</b>	29	19	24
Zinc	ppm	<b>102</b>	108	98	165
Phosphorus	ppm	<b>840</b>	1540	1060	906
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>39</b>	194	137	20

**Depot:** SAIBIR  
**Unique No:** 11085012  
**Signed:** Don Baldrige  
**Report Date:** 19 Jun 2024



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## GRAPHS

