



# CONSTRUCTION EQUIPMENT

## SWO-072820 VOLVO EC480E 314146 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP443995  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-072820



### SAMPLE INFORMATION

Sample Number	<b>VCP443995</b>	VCP429281	VCP419106	VCP424670
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 Chngd</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</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>142</b>	157	225	130
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>18</b>	8	8	11
Sodium	ppm	<b>&lt;1</b>	0	<1	0
Potassium	ppm	<b>1</b>	<1	<1	1



### WEAR METALS

Iron	ppm	<b>175</b>	90	71	92
Copper	ppm	<b>6</b>	<1	0	<1
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>6</b>	<1	2	3
Chromium	ppm	<b>4</b>	2	1	1
Molybdenum	ppm	<b>3</b>	3	2	3
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>36</b>	40	59	29
Magnesium	ppm	<b>19</b>	22	25	24
Zinc	ppm	<b>81</b>	65	66	87
Phosphorus	ppm	<b>846</b>	1015	998	941
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>56</b>	77	129	41

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** SAIBIR  
**Unique No:** 11085015  
**Signed:** Don Baldrige  
**Report Date:** 19 Jun 2024



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## GRAPHS

