



# CONSTRUCTION EQUIPMENT

SWO-063562 VOLVO EC480EL 314651 - REAR LEFT FINAL DRIVE



**Sample No:** VCP417784  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-063562



## SAMPLE INFORMATION

Sample Number	<b>VCP417784</b>	VCP405264	VCP368389	VCP369107
Sample Date	<b>25 Jun 2023</b>	14 Jun 2023	27 Feb 2023	21 Nov 2022
Machine Hours	<b>0</b>	3397	2879	2391
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	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>131</b>	131	158.9	158
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## CONTAMINATION

Silicon	ppm	<b>13</b>	11	11	8
Sodium	ppm	<b>&lt;1</b>	0	<1	<1
Potassium	ppm	<b>0</b>	<1	0	0



## WEAR METALS

Iron	ppm	<b>▲ 595</b>	458	▲ 533	410
Copper	ppm	<b>1</b>	1	3	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>2</b>	<1	2	2
Chromium	ppm	<b>4</b>	3	3	3
Molybdenum	ppm	<b>3</b>	3	2	7
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	2	3	2
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>67</b>	60	97	102
Magnesium	ppm	<b>27</b>	23	25	24
Zinc	ppm	<b>123</b>	122	166	183
Phosphorus	ppm	<b>986</b>	946	768	820
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>62</b>	57	47	73

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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:** 10538559  
**Signed:** Don Baldrige  
**Report Date:** 04 Jul 2023



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## VOLVO GRAPHS

