



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 314981 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP433865  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP433865</b>	VCP369461	VCP405902	VCP402277
Sample Date	<b>23 Oct 2023</b>	07 Aug 2023	07 Jun 2023	22 Mar 2023
Machine Hours	<b>2416</b>	1929	1475	982
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	N/A	Changed
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	NORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>112</b>	52.1	54.5	156
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### CONTAMINATION

Silicon	ppm	<b>13</b>	21	14	35
Sodium	ppm	<b>2</b>	0	1	<1
Potassium	ppm	<b>&lt;1</b>	2	<1	<1



### WEAR METALS

Iron	ppm	<b>410</b>	749	551	1068
Copper	ppm	<b>2</b>	1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	4	3	10
Chromium	ppm	<b>4</b>	8	6	14
Molybdenum	ppm	<b>1</b>	3	3	2
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	5	4	9
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>49</b>	43	35	40
Magnesium	ppm	<b>32</b>	18	17	2
Zinc	ppm	<b>68</b>	79	55	14
Phosphorus	ppm	<b>902</b>	814	813	784
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>49</b>	42	37	105

### 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:** 10723046  
**Signed:** Don Baldrige  
**Report Date:** 01 Nov 2023



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## VOLVO GRAPHS

