



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 314981 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP432371  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP432371</b>	VCP433865	VCP369461	VCP405902
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>	Changed	Changed	N/A
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	ATTENTION

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>124</b>	112	52.1	54.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>16</b>	13	21	14
Sodium	ppm	<b>0</b>	2	0	1
Potassium	ppm	<b>1</b>	<1	2	<1



### WEAR METALS

Iron	ppm	<b>579</b>	410	749	551
Copper	ppm	<b>2</b>	2	1	0
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	2	4	3
Chromium	ppm	<b>3</b>	4	8	6
Molybdenum	ppm	<b>3</b>	1	3	3
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>3</b>	2	5	4
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>80</b>	49	43	35
Magnesium	ppm	<b>20</b>	32	18	17
Zinc	ppm	<b>84</b>	68	79	55
Phosphorus	ppm	<b>941</b>	902	814	813
Barium	ppm	<b>0</b>	0	2	0
Boron	ppm	<b>57</b>	49	42	37

### 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:** 10883439  
**Signed:** Don Baldrige  
**Report Date:** 17 Feb 2024



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## VOLVO GRAPHS

