



# CONSTRUCTION EQUIPMENT

## SW-26674-2 GRANT VOLVO EC480EL 314608 - RIGHT SWING DRIVE



**Sample No:** VCP434529  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SW-26674-2 GRANT



### SAMPLE INFORMATION

Sample Number	<b>VCP434529</b>	VCP399602	VCP387701	VCP346396
Sample Date	<b>20 Nov 2023</b>	10 Feb 2023	24 Oct 2022	07 Feb 2022
Machine Hours	<b>4022</b>	2501	2062	1060
Oil Hours	<b>2000</b>	440	0	1060
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>161</b>	159	150	182
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>4</b>	3	9	9
Sodium	ppm	<b>1</b>	<1	3	3
Potassium	ppm	<b>0</b>	0	0	2

### 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>83</b>	82	335	68
Copper	ppm	<b>2</b>	2	8	12
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>0</b>	0	0	<1
Chromium	ppm	<b>&lt;1</b>	1	5	2
Molybdenum	ppm	<b>59</b>	55	1	<1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	4	2
Vanadium	ppm	<b>0</b>	0	1	0



### ADDITIVES

Calcium	ppm	<b>13</b>	15	0	3
Magnesium	ppm	<b>0</b>	2	0	1
Zinc	ppm	<b>39</b>	30	11	11
Phosphorus	ppm	<b>932</b>	864	1286	296
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>124</b>	141	157	<1

**Depot:** VOLVO8770  
**Unique No:** 10763007  
**Signed:** Wes Davis  
**Report Date:** 29 Nov 2023



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## GRAPHS

