



# CONSTRUCTION EQUIPMENT

SWO-072114 APAC VOLVO EC480E 314549 - RIGHT SWING DRIVE



**Sample No:** VCP453742  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-072114 APAC



## SAMPLE INFORMATION

Sample Number	<b>VCP453742</b>	VCP414654	---	---
Sample Date	<b>22 May 2024</b>	08 Dec 2023	---	---
Machine Hours	<b>4555</b>	4060	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	MARGINAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	<b>300</b>	314	---	---
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## CONTAMINATION

Water	%	<b>▲ 0.887</b>	▲ 0.395	---	---
Silicon	ppm	<b>6</b>	5	---	---
Sodium	ppm	<b>&lt;1</b>	0	---	---
Potassium	ppm	<b>2</b>	<1	---	---

## Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>33</b>	32	---	---
Copper	ppm	<b>2</b>	2	---	---
Lead	ppm	<b>&lt;1</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>1</b>	1	---	---
Chromium	ppm	<b>0</b>	0	---	---
Molybdenum	ppm	<b>5</b>	2	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>&lt;1</b>	0	---	---
Silver	ppm	<b>&lt;1</b>	0	---	---
Manganese	ppm	<b>1</b>	0	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>91</b>	73	---	---
Magnesium	ppm	<b>35</b>	23	---	---
Zinc	ppm	<b>90</b>	73	---	---
Phosphorus	ppm	<b>840</b>	1013	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>115</b>	118	---	---

**Depot:** COWOXF  
**Unique No:** 11047540  
**Signed:** Sean Felton  
**Report Date:** 29 May 2024



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## GRAPHS

