



# CONSTRUCTION EQUIPMENT

## 729087 VOLVO EC480E 315141 - RIGHT SWING DRIVE



**Sample No:** VCP449974  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 729087



### SAMPLE INFORMATION

Sample Number	<b>VCP449974</b>	VCP453879	VCP436808	VCP440727
Sample Date	<b>07 Jun 2024</b>	20 Mar 2024	27 Jan 2024	23 Dec 2023
Machine Hours	<b>3535</b>	3020	2449	2130
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
 Contact: Robert LaPlante  
 robert.laplante@altg.com  
 T: (407)508-9736  
 F: (407)659-8720



### OIL CONDITION

Visc @ 40°C	cSt	<b>203</b>	160	163	280
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	<b>▲ 0.236</b>
Silicon	ppm	<b>4</b>	5	5	12
Sodium	ppm	<b>0</b>	0	0	0
Potassium	ppm	<b>&lt;1</b>	1	<1	0

### 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>43</b>	76	72	151
Copper	ppm	<b>3</b>	5	4	13
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>1</b>	3	2	1
Chromium	ppm	<b>&lt;1</b>	1	<1	2
Molybdenum	ppm	<b>&lt;1</b>	1	<1	2
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	2
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>2</b>	18	14	80
Magnesium	ppm	<b>3</b>	4	4	18
Zinc	ppm	<b>32</b>	19	8	52
Phosphorus	ppm	<b>895</b>	1107	999	883
Barium	ppm	<b>0</b>	1	<1	0
Boron	ppm	<b>159</b>	211	179	130

**Depot:** VOLVO0096  
**Unique No:** 11083376  
**Signed:** Sean Felton  
**Report Date:** 18 Jun 2024



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## VOLVO GRAPHS

