



# CONSTRUCTION EQUIPMENT

## 688640 VOLVO EC480E 315141 - RIGHT SWING DRIVE



**Sample No:** VCP453879  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 688640



**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

### SAMPLE INFORMATION

Sample Number	<b>VCP453879</b>	VCP436808	VCP440727	VCP412205
Sample Date	<b>20 Mar 2024</b>	27 Jan 2024	23 Dec 2023	16 Aug 2023
Machine Hours	<b>3020</b>	2449	2130	1133
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

### OIL CONDITION

Visc @ 40°C	cSt	<b>160</b>	163	280	172
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	<b>▲ 0.236</b>	NEG
Silicon	ppm	<b>5</b>	5	12	30
Sodium	ppm	<b>0</b>	0	0	<1
Potassium	ppm	<b>1</b>	<1	0	<1

### WEAR METALS

Iron	ppm	<b>76</b>	72	151	112
Copper	ppm	<b>5</b>	4	13	35
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>3</b>	2	1	4
Chromium	ppm	<b>1</b>	<1	2	2
Molybdenum	ppm	<b>1</b>	<1	2	0
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	2	4
Vanadium	ppm	<b>&lt;1</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>18</b>	14	80	10
Magnesium	ppm	<b>4</b>	4	18	<1
Zinc	ppm	<b>19</b>	8	52	25
Phosphorus	ppm	<b>1107</b>	999	883	346
Barium	ppm	<b>1</b>	<1	0	2
Boron	ppm	<b>211</b>	179	130	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.

**Depot:** VOLVO0096  
**Unique No:** 10942414  
**Signed:** Jonathan Hester  
**Report Date:** 28 Mar 2024



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## GRAPHS

