



# CONSTRUCTION EQUIPMENT

## 688640 VOLVO EC480E 315141 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP453873  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 688640



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### SAMPLE INFORMATION

Sample Number	<b>VCP453873</b>	VCP436811	VCP440722	VCP412215
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	NORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>142</b>	139	156	158
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	8	13	11
Sodium	ppm	<b>0</b>	0	3	2
Potassium	ppm	<b>1</b>	1	<1	2



### WEAR METALS

Iron	ppm	<b>276</b>	216	439	344
Copper	ppm	<b>1</b>	<1	<1	0
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>3</b>	2	2	3
Chromium	ppm	<b>4</b>	3	6	6
Molybdenum	ppm	<b>5</b>	4	0	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	2	6	5
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>130</b>	115	20	12
Magnesium	ppm	<b>37</b>	36	2	<1
Zinc	ppm	<b>98</b>	86	7	<1
Phosphorus	ppm	<b>845</b>	737	290	339
Barium	ppm	<b>3</b>	2	2	2
Boron	ppm	<b>119</b>	103	0	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:** 10942410  
**Signed:** Wes Davis  
**Report Date:** 26 Mar 2024



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## GRAPHS

