



# CONSTRUCTION EQUIPMENT

661680 ALTA RENTS VOLVO EC480E 315141 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP436811  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 661680 ALTA RENTS



**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>VCP436811</b>	VCP440722	VCP412215	VCP395349
Sample Date	<b>27 Jan 2024</b>	23 Dec 2023	16 Aug 2023	23 May 2023
Machine Hours	<b>2449</b>	2130	1133	544
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



## OIL CONDITION

Visc @ 40°C	cSt	<b>139</b>	156	158	159
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	13	11	22
Sodium	ppm	<b>0</b>	3	2	2
Potassium	ppm	<b>1</b>	<1	2	3



## WEAR METALS

Iron	ppm	<b>216</b>	439	344	277
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	2	3	5
Chromium	ppm	<b>3</b>	6	6	5
Molybdenum	ppm	<b>4</b>	0	<1	1
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	6	5	5
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>115</b>	20	12	17
Magnesium	ppm	<b>36</b>	2	<1	3
Zinc	ppm	<b>86</b>	7	<1	8
Phosphorus	ppm	<b>737</b>	290	339	321
Barium	ppm	<b>2</b>	2	2	7
Boron	ppm	<b>103</b>	0	0	<1

## 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:** 10858202  
**Signed:** Sean Felton  
**Report Date:** 01 Feb 2024



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## VOLVO GRAPHS

