



# CONSTRUCTION EQUIPMENT

1727 RENTALS VOLVO EC480E 315143 - LEFT SWING DRIVE



**Sample No:** VCP439129  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 1727 RENTALS



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## SAMPLE INFORMATION

Sample Number	VCP439129	VCP434840	VCP412207	VCP417229
Sample Date	29 Jan 2024	31 Oct 2023	15 Aug 2023	08 Jun 2023
Machine Hours	2300	0	1031	587
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



## OIL CONDITION

Visc @ 40°C	cSt	284	283	165	164
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	11	41	32
Sodium	ppm	0	0	<1	0
Potassium	ppm	<1	<1	1	<1



## WEAR METALS

Iron	ppm	49	57	173	130
Copper	ppm	6	4	10	10
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	1	0	4	<1
Chromium	ppm	<1	<1	3	2
Molybdenum	ppm	2	<1	0	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	3	2
Vanadium	ppm	0	0	0	0



## ADDITIVES

Calcium	ppm	68	64	14	25
Magnesium	ppm	17	16	1	<1
Zinc	ppm	46	44	4	19
Phosphorus	ppm	964	796	337	302
Barium	ppm	0	0	3	6
Boron	ppm	143	173	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:** 10862326  
**Signed:** Wes Davis  
**Report Date:** 06 Feb 2024



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## GRAPHS

