



# CONSTRUCTION EQUIPMENT

SWO840503 ACTION ENV VOLVO EC140BLC 11614 - REAR LEFT FINAL DRIVE



**Sample No:** VCP330041  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO840503 ACTION ENV



## SAMPLE INFORMATION

Sample Number	VCP330041	---	---	---
Sample Date	28 Feb 2022	---	---	---
Machine Hours	4627	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	■ 310	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 115	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 11	---	---	---



## WEAR METALS

Iron	ppm	▲ 1344	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	● 16	---	---	---
Chromium	ppm	▲ 22	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 10	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 140	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 80	---	---	---
Phosphorus	ppm	■ 1027	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 114	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 9883558  
**Signed:** Don Baldrige  
**Report Date:** 15 Mar 2022



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## GRAPHS

