



# CONSTRUCTION EQUIPMENT

SERCON 394521 VOLVO EC480E 315145 - RIGHT SWING DRIVE



**Sample No:** VCP394131  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 394521



## SAMPLE INFORMATION

Sample Number	VCP394131	---	---	---
Sample Date	09 Feb 2024	---	---	---
Machine Hours	794	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### STRONGCO EQUIPMENT (CE)

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## OIL CONDITION

Visc @ 40°C	cSt	█ 164	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 138	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 19	---	---	---

### 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. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Aluminum ppm levels are noted. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.



## WEAR METALS

Iron	ppm	█ 420	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 46	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 99	---	---	---
Magnesium	ppm	█ 29	---	---	---
Zinc	ppm	8	---	---	---
Phosphorus	ppm	287	---	---	---
Barium	ppm	█ 10	---	---	---
Boron	ppm	1	---	---	---

**Depot:** VOLV00252  
**Unique No:** 5724559  
**Signed:** Kevin Marson  
**Report Date:** 15 Feb 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

