



# CONSTRUCTION EQUIPMENT

## VOLVO EC480EL 310945 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP421639  
**Oil Type:** NOT GIVEN  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP421639	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	6796	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

### UNITED RENTALS

5357 NC-11 N  
 WINTERVILLE, NC  
 US 28590  
 Contact: SKYLAR HERRING  
 sherring1@ur.com  
 T: (252)414-2088  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	■ 706	---	---	---
-------------	-----	-------	-----	-----	-----



### CONTAMINATION

Water	%	▲ 0.559	---	---	---
Silicon	ppm	◆ 4681	---	---	---
Sodium	ppm	■ 14	---	---	---
Potassium	ppm	■ 89	---	---	---

### Diagnosis

We advise that you check for the source of water entry. We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Gear wear is indicated. There is a moderate concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

Iron	ppm	◆ 10688	---	---	---
Copper	ppm	■ 21	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 396	---	---	---
Chromium	ppm	◆ 101	---	---	---
Molybdenum	ppm	14	---	---	---
Nickel	ppm	◆ 16	---	---	---
Titanium	ppm	■ 63	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	81	---	---	---
Vanadium	ppm	2	---	---	---



### ADDITIVES

Calcium	ppm	399	---	---	---
Magnesium	ppm	59	---	---	---
Zinc	ppm	131	---	---	---
Phosphorus	ppm	2013	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	61	---	---	---

**Depot:** UNIWINVC  
**Unique No:** 10617013  
**Signed:** Don Baldrige  
**Report Date:** 24 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

