



# CONSTRUCTION EQUIPMENT

## VOLVO EC480 31142 - SWING DRIVE



**Sample No:** VCP443780  
**Oil Type:** GEAR OIL SAE 85W140  
**Job No:**



**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
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### SAMPLE INFORMATION

Sample Number	VCP443780	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	6042	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



### OIL CONDITION

Visc @ 40°C	cSt	█ 319	---	---	---
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### CONTAMINATION

Water	%	▲ 1.33	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---



### WEAR METALS

Iron	ppm	█ 735	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 45	---	---	---
Magnesium	ppm	█ 20	---	---	---
Zinc	ppm	█ 70	---	---	---
Phosphorus	ppm	█ 1078	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 239	---	---	---

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0096  
**Unique No:** 10994853  
**Signed:** Jonathan Hester  
**Report Date:** 26 Apr 2024



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## GRAPHS

