



# CONSTRUCTION EQUIPMENT

6855HR VOLVO EC210CL 110235 - SWING DRIVE



**Sample No:** VCP452216  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** 6855HR



## SAMPLE INFORMATION

Sample Number	VCP452216	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	6182	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

**HIGHWAY EQUIPMENT & SUPPLY CO MAIN**  
 PO BOX 1957  
 HARRISBURG, PA  
 US 17105  
 Contact: CHAD HERRON



## OIL CONDITION

Visc @ 40°C	cSt	█ 243	---	---	---
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T: 7(175)643-3031  
 F: (717)564-3568



## CONTAMINATION

Water	%	▲ 5.55	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

## Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



## WEAR METALS

Iron	ppm	█ 269	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 87	---	---	---
Magnesium	ppm	30	---	---	---
Zinc	ppm	█ 82	---	---	---
Phosphorus	ppm	█ 884	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 86	---	---	---

**Depot:** VOLVO0025  
**Unique No:** 10996146  
**Signed:** Don Baldrige  
**Report Date:** 29 Apr 2024



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## GRAPHS

