



# CONSTRUCTION EQUIPMENT

4300DR KINSLEY CONST VOLVO EC250DL 210374 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP399667  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 4300DR KINSLEY CONST



## SAMPLE INFORMATION

Sample Number	VCP399667	---	---	---
Sample Date	08 Sep 2023	---	---	---
Machine Hours	9490	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**HIGHWAY EQUIPMENT & SUPPLY CO**  
 PO BOX 127  
 DRUMS, PA  
 US 18222  
 Contact: JUSTIN BLOSS  
 justin@hwyequip.com  
 T: (570)788-1127  
 F: (570)708-2933



## OIL CONDITION

Visc @ 40°C	cSt	664	---	---	---
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## CONTAMINATION

Silicon	ppm	1461	---	---	---
Sodium	ppm	8	---	---	---
Potassium	ppm	85	---	---	---

## 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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Unable to perform an accurate viscosity test due to contamination. The oil is no longer serviceable due to the presence of contaminants.



## WEAR METALS

Iron	ppm	4617	---	---	---
Copper	ppm	10	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	267	---	---	---
Chromium	ppm	35	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	5	---	---	---
Titanium	ppm	21	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	31	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	159	---	---	---
Magnesium	ppm	34	---	---	---
Zinc	ppm	66	---	---	---
Phosphorus	ppm	1096	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	69	---	---	---

**Depot:** VOLVO0022  
**Unique No:** 10645529  
**Signed:** Don Baldrige  
**Report Date:** 15 Sep 2023



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## VOLVO GRAPHS

