



# CONSTRUCTION EQUIPMENT

## X47601 VOLVO EC350 314390 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP425382  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** X47601



### SAMPLE INFORMATION

Sample Number	VCP425382	---	---	---
Sample Date	13 Sep 2023	---	---	---
Machine Hours	2122	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

**SCOTT EQUIPMENT COMPANY LLC - Lake Charles**  
 PO BOX 16955  
 LAKE CHARLES, LA  
 US 70616  
 Contact: TINA LEDOUX  
 tledoux@scottcompanies.com  
 T: (337)433-9811  
 F: (318)433-6623



### OIL CONDITION

Visc @ 40°C	cSt	▲ 353	---	---	---
-------------	-----	-------	-----	-----	-----



### CONTAMINATION

Silicon	ppm	● 2931	---	---	---
Sodium	ppm	■ 40	---	---	---
Potassium	ppm	■ 75	---	---	---



### WEAR METALS

Iron	ppm	● 10402	---	---	---
Copper	ppm	■ 18	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	▲ 291	---	---	---
Chromium	ppm	● 159	---	---	---
Molybdenum	ppm	■ 20	---	---	---
Nickel	ppm	■ 16	---	---	---
Titanium	ppm	■ 31	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 85	---	---	---
Vanadium	ppm	1	---	---	---



### ADDITIVES

Calcium	ppm	■ 201	---	---	---
Magnesium	ppm	■ 45	---	---	---
Zinc	ppm	■ 25	---	---	---
Phosphorus	ppm	■ 434	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 5	---	---	---

### Diagnosis

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. The iron and chrome levels are severe. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO6244  
**Unique No:** 10659104  
**Signed:** Don Baldrige  
**Report Date:** 23 Sep 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

