



# CONSTRUCTION EQUIPMENT

## VOLVO EC350E 314354 - REAR LEFT FINAL DRIVE



**Sample No:** VCP426881  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP426881	VCP383503	---	---
Sample Date	12 Aug 2023	05 Oct 2022	---	---
Machine Hours	1796	731	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	67.3	174	---	---
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### CONTAMINATION

Silicon	ppm	1711	72	---	---
Sodium	ppm	8	4	---	---
Potassium	ppm	28	4	---	---



### WEAR METALS

Iron	ppm	4708	275	---	---
Copper	ppm	6	<1	---	---
Lead	ppm	0	2	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	262	15	---	---
Chromium	ppm	64	9	---	---
Molybdenum	ppm	8	2	---	---
Nickel	ppm	5	1	---	---
Titanium	ppm	25	1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	36	5	---	---
Vanadium	ppm	<1	<1	---	---



### ADDITIVES

Calcium	ppm	194	15	---	---
Magnesium	ppm	28	0	---	---
Zinc	ppm	115	4	---	---
Phosphorus	ppm	1763	375	---	---
Barium	ppm	4	0	---	---
Boron	ppm	164	0	---	---

### 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. Gear wear is indicated. 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.

**Depot:** VOLVO3387  
**Unique No:** 10608426  
**Signed:** Don Baldrige  
**Report Date:** 21 Aug 2023



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## VOLVO GRAPHS

