



# CONSTRUCTION EQUIPMENT

## 47578 VOLVO EC350EL 314401 - REAR LEFT FINAL DRIVE



**Sample No:** VCP417910  
**Oil Type:** VOLVO 85W90  
**Job No:** 47578



### SAMPLE INFORMATION

Sample Number	<b>VCP417910</b>	VCP426538	---	---
Sample Date	<b>14 Mar 2024</b>	19 Apr 2023	---	---
Machine Hours	<b>1967</b>	654	---	---
Oil Hours	<b>500</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

**365 - ASCENDUM MACHINERY INC - SAVANNAH**  
 54 MEDLINE DR  
 RICHMOND HILL, GA  
 US 31324  
 Contact: JESSE WILSON  
 jesse.wilson@ascendummachinery.com  
 T:  
 F: (912)964-9515



### OIL CONDITION

Visc @ 40°C	cSt	<b>51.7</b>	172	---	---
-------------	-----	-------------	-----	-----	-----



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>▲ 86</b>	■ 30	---	---
Sodium	ppm	■ <1	■ <1	---	---
Potassium	ppm	■ 0	■ 3	---	---

### 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. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. Confirm oil type.



### WEAR METALS

Iron	ppm	■ <b>375</b>	■ 324	---	---
Copper	ppm	■ <1	■ <1	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	<b>● 10</b>	■ 7	---	---
Chromium	ppm	■ 7	■ 4	---	---
Molybdenum	ppm	<1	■ <1	---	---
Nickel	ppm	■ 1	■ <1	---	---
Titanium	ppm	1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	6	■ 4	---	---
Vanadium	ppm	<1	0	---	---



### ADDITIVES

Calcium	ppm	<b>2972</b>	■ 26	---	---
Magnesium	ppm	4	■ <1	---	---
Zinc	ppm	<b>1078</b>	■ 11	---	---
Phosphorus	ppm	<b>1115</b>	■ 235	---	---
Barium	ppm	<1	■ 0	---	---
Boron	ppm	<b>65</b>	■ 0	---	---

**Depot:** VOLVO8531  
**Unique No:** 10980790  
**Signed:** Don Baldrige  
**Report Date:** 18 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

