



# CONSTRUCTION EQUIPMENT

## VOLVO EC350EL 314185 - REAR LEFT FINAL DRIVE



**Sample No:** VCP0007517

**Oil Type:** NOT GIVEN

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007517</b>	VCP0007481	---	---
Sample Date	<b>11 Aug 2023</b>	03 May 2023	---	---
Machine Hours	<b>2151</b>	644	---	---
Oil Hours	<b>2151</b>	644	---	---
Oil Changed	<b>N/A</b>	N/A	---	---
Sample Status	<b>SEVERE</b>	NORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
 8750 PHILIPS HWY  
 JACKSONVILLE, FL  
 US 32256  
 Contact: TECHNICIAN ACCOUNT  
 catherine.anastasio@wearcheck.com  
 T:  
 F: (904)737-1260



### OIL CONDITION

Visc @ 40°C	cSt	<b>288</b>	264	---	---
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### CONTAMINATION

Silicon	ppm	<b>1049</b>	5	---	---
Sodium	ppm	<b>7</b>	<1	---	---
Potassium	ppm	<b>6</b>	1	---	---

### 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 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.



### WEAR METALS

Iron	ppm	<b>2500</b>	129	---	---
Copper	ppm	<b>5</b>	0	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>3</b>	0	---	---
Aluminum	ppm	<b>27</b>	0	---	---
Chromium	ppm	<b>68</b>	<1	---	---
Molybdenum	ppm	<b>8</b>	3	---	---
Nickel	ppm	<b>5</b>	0	---	---
Titanium	ppm	<b>12</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>21</b>	<1	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>206</b>	76	---	---
Magnesium	ppm	<b>27</b>	25	---	---
Zinc	ppm	<b>53</b>	55	---	---
Phosphorus	ppm	<b>829</b>	909	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>101</b>	155	---	---

**Depot:** VOLVO0092  
**Unique No:** 10606413  
**Signed:** Don Baldrige  
**Report Date:** 17 Aug 2023



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## GRAPHS

