



# CONSTRUCTION EQUIPMENT

## VOLVO EC350 314347 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP411941  
**Oil Type:** GEAR OIL SAE 75W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP411941</b>	VCP409955	---	---
Sample Date	<b>29 Jul 2023</b>	01 May 2023	---	---
Machine Hours	<b>2173</b>	1698	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>91.9</b>	80.5	---	---
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### CONTAMINATION

Silicon	ppm	<b>73</b>	38	---	---
Sodium	ppm	<b>3</b>	1	---	---
Potassium	ppm	<b>2</b>	1	---	---

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	<b>▲ 536</b>	233	---	---
Copper	ppm	<b>□ &lt;1</b>	<1	---	---
Lead	ppm	<b>□ 0</b>	0	---	---
Tin	ppm	<b>□ 0</b>	0	---	---
Aluminum	ppm	<b>□ 21</b>	11	---	---
Chromium	ppm	<b>▲ 16</b>	10	---	---
Molybdenum	ppm	<b>□ 2</b>	2	---	---
Nickel	ppm	<b>□ &lt;1</b>	<1	---	---
Titanium	ppm	<b>2</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>□ 5</b>	3	---	---
Vanadium	ppm	<b>0</b>	0	---	---

### ADDITIVES

Calcium	ppm	<b>□ 79</b>	34	---	---
Magnesium	ppm	<b>□ 10</b>	11	---	---
Zinc	ppm	<b>□ 50</b>	32	---	---
Phosphorus	ppm	<b>□ 1562</b>	1698	---	---
Barium	ppm	<b>□ 0</b>	0	---	---
Boron	ppm	<b>□ 196</b>	206	---	---

**Depot:** VOLV00157  
**Unique No:** 10579433  
**Signed:** Sean Felton  
**Report Date:** 02 Aug 2023



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## GRAPHS

