



# CONSTRUCTION EQUIPMENT

## W02007667 VOLVO EC380 311872 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP420821  
**Oil Type:** MOBIL MOBILUBE HD 85W140  
**Job No:** W02007667



### SAMPLE INFORMATION

Sample Number	<b>VCP420821</b>	VCP312822	VCP292254	---
Sample Date	<b>25 Oct 2023</b>	29 Jul 2021	04 Nov 2020	---
Machine Hours	<b>4153</b>	1953	1102	---
Oil Hours	<b>1000</b>	500	500	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>154</b>	188	264	---
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### CONTAMINATION

Silicon	ppm	<b>7</b>	4	4	---
Sodium	ppm	<b>2</b>	0	<1	---
Potassium	ppm	<b>0</b>	0	<1	---



### WEAR METALS

Iron	ppm	<b>81</b>	52	37	---
Copper	ppm	<b>&lt;1</b>	<1	<1	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>0</b>	0	<1	---
Chromium	ppm	<b>3</b>	2	<1	---
Molybdenum	ppm	<b>15</b>	13	1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>1</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>477</b>	347	56	---
Magnesium	ppm	<b>91</b>	98	6	---
Zinc	ppm	<b>268</b>	215	28	---
Phosphorus	ppm	<b>802</b>	1020	808	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>160</b>	191	143	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0002  
**Unique No:** 10714487  
**Signed:** Sean Felton  
**Report Date:** 31 Oct 2023



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## GRAPHS

