



# CONSTRUCTION EQUIPMENT

## SPM580384 VOLVO EC480 314333 - REAR LEFT FINAL DRIVE



**Sample No:** VCP412834  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SPM580384



### SAMPLE INFORMATION

Sample Number	<b>VCP412834</b>	VCP417690	VCP378758	VCP336761
Sample Date	<b>31 Jul 2023</b>	17 Jul 2023	08 Aug 2022	16 Nov 2021
Machine Hours	<b>4068</b>	4033	3256	2161
Oil Hours	<b>33</b>	0	0	2000
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	SEVERE	SEVERE	NORMAL

**ORANGE COUNTY SOLID WASTE**  
 5901 YOUNG PINE ROAD  
 ORLANDO, FL  
 US 32829  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>312</b>	467	289	253
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### CONTAMINATION

Silicon	ppm	<b>244</b>	739	371	12
Sodium	ppm	<b>0</b>	<1	0	0
Potassium	ppm	<b>1</b>	1	2	0

### 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.



### WEAR METALS

Iron	ppm	<b>1235</b>	3122	1506	590
Copper	ppm	<b>2</b>	5	3	1
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>22</b>	66	42	2
Chromium	ppm	<b>14</b>	42	23	8
Molybdenum	ppm	<b>4</b>	8	5	2
Nickel	ppm	<b>2</b>	3	0	0
Titanium	ppm	<b>2</b>	7	4	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>9</b>	26	13	6
Vanadium	ppm	<b>0</b>	<1	<1	0



### ADDITIVES

Calcium	ppm	<b>59</b>	96	38	91
Magnesium	ppm	<b>16</b>	18	13	6
Zinc	ppm	<b>47</b>	64	46	64
Phosphorus	ppm	<b>984</b>	1020	932	802
Barium	ppm	<b>0</b>	<1	2	2
Boron	ppm	<b>217</b>	146	156	87

**Depot:** ORAORL  
**Unique No:** 10588376  
**Signed:** Wes Davis  
**Report Date:** 05 Aug 2023



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## GRAPHS

