



# CONSTRUCTION EQUIPMENT

## A11246 VOLVO EC220D 210876 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP431253  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A11246



### SAMPLE INFORMATION

Sample Number	<b>VCP431253</b>	VCP416841	VCP399927	VCP358848
Sample Date	<b>16 Oct 2023</b>	19 Jun 2023	16 Mar 2023	28 Jun 2022
Machine Hours	<b>13460</b>	12979	12480	11085
Oil Hours	<b>500</b>	0	500	1000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

**WASTE MANAGEMENT - TELFORD**  
 400 PROGRESS DR  
 TELFORD, PA  
 US 18969-1191  
 Contact: EDWARD ROGENER  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>320</b>	325	315	327
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### CONTAMINATION

Silicon	ppm	<b>&lt;1</b>	4	3	1
Sodium	ppm	<b>0</b>	2	<1	0
Potassium	ppm	<b>2</b>	2	0	1

### WEAR METALS

Iron	ppm	<b>0</b>	19	0	9
Copper	ppm	<b>0</b>	<1	0	0
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	3	0	<1
Chromium	ppm	<b>0</b>	1	0	<1
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>22</b>	14	27	44
Magnesium	ppm	<b>3</b>	4	2	3
Zinc	ppm	<b>2</b>	2	16	17
Phosphorus	ppm	<b>1014</b>	630	817	465
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>9</b>	40	4	101

### 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:** WASTEL  
**Unique No:** 10712197  
**Signed:** Don Baldrige  
**Report Date:** 27 Oct 2023



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## VOLVO GRAPHS

