



# CONSTRUCTION EQUIPMENT

## A12803 VOLVO EC220D 210876 - SWING DRIVE



**Sample No:** VCP445215  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** A12803



### SAMPLE INFORMATION

Sample Number	<b>VCP445215</b>	VCP442292	VCP430660	VCP416982
Sample Date	<b>14 Jun 2024</b>	20 Mar 2024	16 Oct 2023	19 Jun 2023
Machine Hours	<b>14465</b>	13980	13460	12979
Oil Hours	<b>500</b>	1000	500	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**WASTE MANAGEMENT - TELFORD**  
 400 PROGRESS DR  
 TELFORD, PA  
 US 18969-1191  
 Contact: EDWARD ROGENER  
 erogener@wm.com  
 T:  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	<b>189</b>	319	321	317
-------------	-----	------------	-----	-----	-----

### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	2	<1	2
Sodium	ppm	<b>&lt;1</b>	<1	0	1
Potassium	ppm	<b>0</b>	0	<1	1

### 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>11</b>	17	0	9
Copper	ppm	<b>&lt;1</b>	1	0	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>0</b>	0	<1	3
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	<1
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>122</b>	9	19	12
Magnesium	ppm	<b>10</b>	0	2	4
Zinc	ppm	<b>47</b>	3	0	3
Phosphorus	ppm	<b>1053</b>	719	1010	608
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>24</b>	50	9	45

**Depot:** WASTEL  
**Unique No:** 11088955  
**Signed:** Don Baldrige  
**Report Date:** 23 Jun 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

