



# CONSTRUCTION EQUIPMENT

SPM619831 VOLVO EC380E 315082 - SWING DRIVE



**Sample No:** VCP415283  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM619831



## SAMPLE INFORMATION

Sample Number	<b>VCP415283</b>	VCP420644	VCP403575	VCP364029
Sample Date	<b>11 Oct 2023</b>	13 Jul 2023	16 Mar 2023	26 Aug 2022
Machine Hours	<b>3862</b>	3213	2412	540
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### UNITED SCRAP

1545 S CICERO AVE  
 CICERO, IL  
 US 60804

Contact: RON LUCHTENBURG  
 rluchten@unitedscrap.com

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## OIL CONDITION

Visc @ 40°C	cSt	<b>164</b>	172	194	174
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## CONTAMINATION

Silicon	ppm	<b>7</b>	10	13	8
Sodium	ppm	<b>0</b>	<1	2	<1
Potassium	ppm	<b>0</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>96</b>	46	88	143
Copper	ppm	<b>3</b>	4	7	18
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	1	1	2
Chromium	ppm	<b>1</b>	1	2	2
Molybdenum	ppm	<b>0</b>	8	<1	0
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	2	3
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1190</b>	2585	2521	17
Magnesium	ppm	<b>14</b>	123	15	0
Zinc	ppm	<b>617</b>	1192	1031	17
Phosphorus	ppm	<b>700</b>	923	889	343
Barium	ppm	<b>0</b>	0	0	4
Boron	ppm	<b>0</b>	1	0	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.

**Depot:** UNICICIL  
**Unique No:** 10713376  
**Signed:** Don Baldrige  
**Report Date:** 30 Oct 2023



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## GRAPHS

