



# CONSTRUCTION EQUIPMENT

## SPM619900 VOLVO EC380E 314966 - RIGHT FINAL DRIVE



**Sample No:** VCP416912  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM619900



### SAMPLE INFORMATION

Sample Number	<b>VCP416912</b>	VCP414942	VCP420036	VCP387455
Sample Date	<b>12 Oct 2023</b>	25 Aug 2023	19 Jul 2023	11 Apr 2023
Machine Hours	<b>6338</b>	5784	4982	3953
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

### UNITED SCRAP

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### OIL CONDITION

Visc @ 40°C	cSt	<b>147</b>	148	192	184
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### CONTAMINATION

Silicon	ppm	<b>29</b>	27	92	84
Sodium	ppm	<b>0</b>	2	3	5
Potassium	ppm	<b>&lt;1</b>	<1	4	4



### WEAR METALS

Iron	ppm	<b>150</b>	128	395	368
Copper	ppm	<b>&lt;1</b>	1	1	4
Lead	ppm	<b>0</b>	0	2	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>4</b>	4	11	13
Chromium	ppm	<b>4</b>	3	8	14
Molybdenum	ppm	<b>0</b>	0	4	3
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	2	1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	4	5
Vanadium	ppm	<b>0</b>	0	<1	<1



### ADDITIVES

Calcium	ppm	<b>637</b>	627	2673	2436
Magnesium	ppm	<b>41</b>	33	107	74
Zinc	ppm	<b>255</b>	230	933	822
Phosphorus	ppm	<b>1066</b>	960	759	746
Barium	ppm	<b>0</b>	<1	0	4
Boron	ppm	<b>189</b>	191	4	5

### 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:** 10713390  
**Signed:** Don Baldrige  
**Report Date:** 30 Oct 2023



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## VOLVO GRAPHS

