



# CONSTRUCTION EQUIPMENT

## SPM579126 VOLVO A30G 740113 - BOGIE/CENTER AXLE



**Sample No:** VCP409221  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM579126



### SAMPLE INFORMATION

Sample Number	<b>VCP409221</b>	VCP387487	VCP322337	VCP203453
Sample Date	<b>06 Jul 2023</b>	28 Nov 2022	02 Jul 2021	01 Sep 2017
Machine Hours	<b>9329</b>	8980	4067	336
Oil Hours	<b>0</b>	0	0	336
Oil Changed	<b>Not Chngd</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.9</b>	40.8	59.0	53.18
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### CONTAMINATION

Silicon	ppm	<b>14</b>	10	4	4
Sodium	ppm	<b>3</b>	5	4	4
Potassium	ppm	<b>0</b>	2	0	1



### WEAR METALS

Iron	ppm	<b>128</b>	160	141	104
Copper	ppm	<b>6</b>	10	10	8
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	3
Aluminum	ppm	<b>1</b>	2	<1	0
Chromium	ppm	<b>2</b>	2	2	3
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	0
Nickel	ppm	<b>&lt;1</b>	0	<1	1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	<1	<1	0
Manganese	ppm	<b>2</b>	2	3	5
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4024</b>	3157	15	14
Magnesium	ppm	<b>23</b>	9	4	0
Zinc	ppm	<b>1596</b>	1268	19	8
Phosphorus	ppm	<b>1346</b>	1451	2188	2084
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>149</b>	159	293	247

### 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. Confirm oil type. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8885  
**Unique No:** 10560797  
**Signed:** Don Baldrige  
**Report Date:** 18 Jul 2023



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## GRAPHS

