



# CONSTRUCTION EQUIPMENT

## VOLVO A40F 1 1843 - BOGIE/CENTER AXLE



**Sample No:** VCP431889  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP431889</b>	VCP416729	VCP395357	VCP404337
Sample Date	<b>01 Nov 2023</b>	02 Aug 2023	12 Apr 2023	08 Dec 2022
Machine Hours	<b>6592</b>	6103	5555	5050
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>298</b>	326	326	325
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### CONTAMINATION

Silicon	ppm	<b>5</b>	9	10	8
Sodium	ppm	<b>&lt;1</b>	0	0	<1
Potassium	ppm	<b>0</b>	2	0	<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>10</b>	56	50	31
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	3	4	2
Chromium	ppm	<b>0</b>	<1	<1	0
Molybdenum	ppm	<b>19</b>	2	2	1
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	1	1	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>117</b>	63	67	105
Magnesium	ppm	<b>31</b>	13	18	11
Zinc	ppm	<b>66</b>	39	34	54
Phosphorus	ppm	<b>1017</b>	951	965	911
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>192</b>	184	181	150

**Depot:** SAIBIR  
**Unique No:** 10749074  
**Signed:** Doug Bogart  
**Report Date:** 19 Nov 2023



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## GRAPHS

