



# CONSTRUCTION EQUIPMENT

## SWO-070331 VOLVO A40F 11843 - BOGIE/CENTER AXLE



**Sample No:** VCP452420  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-070331



### SAMPLE INFORMATION

Sample Number	<b>VCP452420</b>	VCP431889	VCP416729	VCP395357
Sample Date	<b>12 Mar 2024</b>	01 Nov 2023	02 Aug 2023	12 Apr 2023
Machine Hours	<b>7075</b>	6592	6103	5555
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SAIIA CONSTRUCTION LLC**  
 4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207  
 Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



### OIL CONDITION

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

Water	%	<b>NEG</b>	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	5	9	10
Sodium	ppm	<b>&lt;1</b>	<1	0	0
Potassium	ppm	<b>1</b>	0	2	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.



### WEAR METALS

Iron	ppm	<b>30</b>	10	56	50
Copper	ppm	<b>0</b>	<1	<1	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	3	4
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>17</b>	19	2	2
Nickel	ppm	<b>0</b>	<1	<1	0
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>0</b>	<1	1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>110</b>	117	63	67
Magnesium	ppm	<b>24</b>	31	13	18
Zinc	ppm	<b>69</b>	66	39	34
Phosphorus	ppm	<b>855</b>	1017	951	965
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>171</b>	192	184	181

**Depot:** SAIBIR  
**Unique No:** 10930014  
**Signed:** Don Baldrige  
**Report Date:** 20 Mar 2024



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## VOLVO GRAPHS

