



# CONSTRUCTION EQUIPMENT

SWO-064335 VOLVO A40F 11843 - REAR AXLE



**Sample No:** VCP416412  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-064335



## SAMPLE INFORMATION

Sample Number	<b>VCP416412</b>	VCP395352	VCP397910	VCP366189
Sample Date	<b>02 Aug 2023</b>	12 Apr 2023	08 Dec 2022	29 Aug 2022
Machine Hours	<b>6103</b>	5555	5050	4525
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

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

Silicon	ppm	<b>2</b>	3	2	2
Sodium	ppm	<b>0</b>	0	<1	0
Potassium	ppm	<b>2</b>	0	0	0



## WEAR METALS

Iron	ppm	<b>26</b>	21	14	5
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>0</b>	0	0	0
Chromium	ppm	<b>0</b>	<1	0	0
Molybdenum	ppm	<b>2</b>	2	1	2
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>&lt;1</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>62</b>	103	104	95
Magnesium	ppm	<b>13</b>	19	12	6
Zinc	ppm	<b>37</b>	46	51	50
Phosphorus	ppm	<b>950</b>	936	927	880
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>188</b>	177	155	187

## Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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:** SAIBIR  
**Unique No:** 10589851  
**Signed:** Sean Felton  
**Report Date:** 08 Aug 2023



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## GRAPHS

