



# CONSTRUCTION EQUIPMENT

## SWO-069192 VOLVO A60H 340044 - BOGIE/CENTER RIGHT FINAL DRIVE



**Sample No:** VCP446311  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-069192



### SAMPLE INFORMATION

Sample Number	<b>VCP446311</b>	VCP414013	VCP405932	VCP395112
Sample Date	<b>01 Feb 2024</b>	04 Aug 2023	11 May 2023	21 Feb 2023
Machine Hours	<b>9302</b>	8791	8303	7835
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>300</b>	299	310	287
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	4	3	3
Sodium	ppm	<b>0</b>	0	0	<1
Potassium	ppm	<b>&lt;1</b>	1	<1	<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>27</b>	17	12	36
Copper	ppm	<b>&lt;1</b>	2	0	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>6</b>	2	2	5
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>86</b>	95	57	126
Magnesium	ppm	<b>43</b>	29	27	36
Zinc	ppm	<b>77</b>	78	63	81
Phosphorus	ppm	<b>1047</b>	1017	976	790
Barium	ppm	<b>0</b>	2	0	<1
Boron	ppm	<b>181</b>	196	181	126

**Depot:** SAIBIR  
**Unique No:** 10872538  
**Signed:** Don Baldrige  
**Report Date:** 12 Feb 2024



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## GRAPHS

