



# CONSTRUCTION EQUIPMENT

SWO-063669 VOLVO A60H A60H 340102 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP414095  
**Oil Type:** GEAR OIL SAE 75W90  
**Job No:** SWO-063669



## SAMPLE INFORMATION

Sample Number	<b>VCP414095</b>	VCP410123	VCP391148	VCP338949
Sample Date	<b>11 Jul 2023</b>	30 Mar 2023	14 Sep 2022	22 Nov 2021
Machine Hours	<b>8821</b>	8292	7310	5819
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ATTENTION</b>	ATTENTION	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 237</b>	▲ 239.0	■ 91.5	■ 93.5
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## CONTAMINATION

Silicon	ppm	■ <b>4</b>	■ 5	■ <1	■ 0
Sodium	ppm	■ <1	■ 0	■ 0	■ <1
Potassium	ppm	■ <1	■ <1	■ 0	■ 0



## WEAR METALS

Iron	ppm	■ <b>57</b>	■ 55	■ 39	■ 22
Copper	ppm	■ <b>1</b>	■ <1	■ <1	■ <1
Lead	ppm	■ <b>0</b>	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ <1	■ 0	■ <1	■ 0
Chromium	ppm	■ <b>2</b>	■ 2	■ <1	■ <1
Molybdenum	ppm	■ <1	■ <1	■ <1	<1
Nickel	ppm	■ <b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	■ <b>2</b>	■ 2	■ <1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	■ <b>46</b>	■ 32	■ 40	17
Magnesium	ppm	■ <b>4</b>	■ 4	■ <1	<1
Zinc	ppm	■ <b>19</b>	■ 17	■ 12	0
Phosphorus	ppm	■ <b>1211</b>	■ 1120	■ 1331	1427
Barium	ppm	■ <b>0</b>	■ 0	■ 0	0
Boron	ppm	■ <b>198</b>	■ 224	■ 237	217

## Diagnosis

No corrective action is recommended at this time. 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 oil viscosity is higher than normal. Confirm oil type.

**Depot:** SAIBIR  
**Unique No:** 10560327  
**Signed:** Don Baldrige  
**Report Date:** 17 Jul 2023



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## GRAPHS

