



# CONSTRUCTION EQUIPMENT

## SWO-069192 VOLVO A60H 340044 - REAR LEFT FINAL DRIVE



**Sample No:** VCP444506  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-069192



### SAMPLE INFORMATION

Sample Number	<b>VCP444506</b>	VCP411893	VCP403625	VCP395108
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	ATTENTION	ATTENTION

### SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>309</b>	304	310	280
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	3	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. Confirm oil type. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>31</b>	17	12	42
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	0	<1
Chromium	ppm	<b>1</b>	<1	<1	1
Molybdenum	ppm	<b>4</b>	2	2	6
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>71</b>	62	61	132
Magnesium	ppm	<b>38</b>	32	30	44
Zinc	ppm	<b>57</b>	67	67	87
Phosphorus	ppm	<b>1117</b>	1024	986	790
Barium	ppm	<b>0</b>	2	0	<1
Boron	ppm	<b>202</b>	196	180	118

**Depot:** SAIBIR  
**Unique No:** 10872539  
**Signed:** Don Baldrige  
**Report Date:** 12 Feb 2024



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## VOLVO GRAPHS

