



# CONSTRUCTION EQUIPMENT

## SWO-063669 VOLVO A60 A60H 340102 - FRONT AXLE



**Sample No:** VCP404948  
**Oil Type:** GEAR OIL SAE 75W90  
**Job No:** SWO-063669



### SAMPLE INFORMATION

Sample Number	<b>VCP404948</b>	VCP419726	VCP393432	VCP389254
Sample Date	<b>11 Jul 2023</b>	30 Mar 2023	15 Dec 2022	14 Sep 2022
Machine Hours	<b>8821</b>	8292	7821	7310
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>ATTENTION</b>	ATTENTION	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 247</b>	▲ 250.3	■ 90.5	■ 90.2
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### CONTAMINATION

Silicon	ppm	■ <b>4</b>	■ 4	■ 2	■ <1
Sodium	ppm	■ <1	■ 0	■ <1	■ 0
Potassium	ppm	■ <1	■ <1	■ 0	■ 0



### WEAR METALS

Iron	ppm	■ <b>63</b>	■ 66	■ 62	■ 55
Copper	ppm	■ <b>1</b>	■ <1	■ <1	■ <1
Lead	ppm	■ <1	■ 0	■ 0	■ 0
Tin	ppm	■ <b>0</b>	■ 0	■ 0	■ 0
Aluminum	ppm	■ <1	■ 0	■ <1	■ <1
Chromium	ppm	■ <b>2</b>	■ 2	■ 1	■ <1
Molybdenum	ppm	■ <b>1</b>	■ 1	■ <1	■ <1
Nickel	ppm	■ <1	■ <1	■ <1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	< <b>1</b>	0	0	0
Manganese	ppm	■ <b>2</b>	■ 2	■ <1	■ <1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	■ <b>63</b>	■ 61	■ 128	■ 121
Magnesium	ppm	■ <b>7</b>	■ 7	■ 2	■ 1
Zinc	ppm	■ <b>31</b>	■ 31	■ 46	■ 52
Phosphorus	ppm	■ <b>1090</b>	■ 1109	■ 1332	■ 1322
Barium	ppm	■ <b>0</b>	■ 0	■ 0	■ 0
Boron	ppm	■ <b>183</b>	■ 226	■ 187	■ 223

### 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:** 10560333  
**Signed:** Don Baldrige  
**Report Date:** 17 Jul 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

