



# CONSTRUCTION EQUIPMENT

SWA307696-10 VOLVO A40G 342584 - DROP BOX



**Sample No:** VCP418836  
**Oil Type:** VOLVO API GL-5 SAE 75W90  
**Job No:** SWA307696-10



## SAMPLE INFORMATION

Sample Number	<b>VCP418836</b>	VCP294959	VCP294505	VCP279494
Sample Date	<b>19 Aug 2023</b>	19 Jun 2021	11 Feb 2021	14 Oct 2020
Machine Hours	<b>8359</b>	3832	3516	3033
Oil Hours	<b>0</b>	0	500	3000
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	Changed
Sample Status	<b>SEVERE</b>	ABNORMAL	NORMAL	ATTENTION

### THALLE INDUSTRIES

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## OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 58.9</b>	■ 114	■ 115	<b>▲ 45.4</b>
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## CONTAMINATION

Silicon	ppm	<b>■ 7</b>	■ 9	■ 8	■ 37
Sodium	ppm	<b>■ &lt;1</b>	■ 4	■ 4	■ 11
Potassium	ppm	<b>■ &lt;1</b>	■ <1	■ 1	■ 2



## WEAR METALS

Iron	ppm	<b>◆ 1454</b>	■ 60	■ 73	■ 160
Copper	ppm	<b>■ 10</b>	■ 3	■ 2	■ 12
Lead	ppm	<b>■ 0</b>	■ <1	■ 0	■ <1
Tin	ppm	<b>■ &lt;1</b>	■ 0	■ 0	■ <1
Aluminum	ppm	<b>■ 7</b>	■ 9	■ 15	■ 19
Chromium	ppm	<b>■ 13</b>	■ 2	■ 2	■ 2
Molybdenum	ppm	<b>■ 5</b>	■ 8	■ 8	■ 8
Nickel	ppm	<b>■ 10</b>	■ <1	■ <1	■ <1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	<1	<1	0
Manganese	ppm	<b>■ 17</b>	■ 2	■ 1	■ 5
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>▲ 8</b>	■ 13	10	■ 42
Magnesium	ppm	<b>■ 0</b>	■ <1	■ 0	■ 2
Zinc	ppm	<b>▲ 7</b>	■ 18	■ 17	■ 106
Phosphorus	ppm	<b>▲ 2126</b>	■ 1239	■ 1208	2112
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	■ 0
Boron	ppm	<b>■ 102</b>	■ 239	■ 162	■ 149

## Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** THAFIS  
**Unique No:** 10617662  
**Signed:** Jonathan Hester  
**Report Date:** 25 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

