



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341147 - FRONT AXLE



**Sample No:** VCP406565  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP406565</b>	VCP420403	VCP418915	VCP389524
Sample Date	<b>27 Jun 2023</b>	01 Jun 2023	03 May 2023	22 Oct 2022
Machine Hours	<b>0</b>	13304	13209	12056
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	ABNORMAL

**Hanson Aggregates - Rocky Mount**  
 10471 NC 97  
 ROCKY MOUNT, NC  
 US 27801  
 Contact: Service Manager



### OIL CONDITION

Visc @ 40°C	cSt	<b>51.2</b>	51.8	50.4	52.8
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T:  
F:



### CONTAMINATION

Silicon	ppm	<b>5</b>	7	4	4
Sodium	ppm	<b>2</b>	2	2	0
Potassium	ppm	<b>&lt;1</b>	0	0	0

### Diagnosis

We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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>369</b>	245	391	241
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	<1	2	0
Chromium	ppm	<b>3</b>	1	3	1
Molybdenum	ppm	<b>2</b>	<1	3	<1
Nickel	ppm	<b>1</b>	<1	1	<1
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	1
Manganese	ppm	<b>5</b>	3	6	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>44</b>	9	19	<1
Magnesium	ppm	<b>&lt;1</b>	<1	<1	3
Zinc	ppm	<b>19</b>	10	13	1
Phosphorus	ppm	<b>2536</b>	2517	2502	2312
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>272</b>	283	274	267

**Depot:** HANROC  
**Unique No:** 10539931  
**Signed:** Sean Felton  
**Report Date:** 06 Jul 2023



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## VOLVO GRAPHS

