



# CONSTRUCTION EQUIPMENT

607956 ASH GROVE VOLVO A40G 352940 - FRONT AXLE



**Sample No:** VCP440291  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 607956 ASH GROVE



## SAMPLE INFORMATION

Sample Number	<b>VCP440291</b>	VCP411658	VCP353584	VCP382986
Sample Date	<b>26 Sep 2023</b>	30 May 2023	20 Dec 2022	02 Nov 2022
Machine Hours	<b>6962</b>	5463	3441	3014
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>301</b>	283	282	283
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## CONTAMINATION

Silicon	ppm	<b>3</b>	2	2	3
Sodium	ppm	<b>0</b>	<1	<1	<1
Potassium	ppm	<b>&lt;1</b>	<1	1	0



## WEAR METALS

Iron	ppm	<b>22</b>	97	57	66
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	1	1	1
Molybdenum	ppm	<b>2</b>	5	5	5
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	4	0
Manganese	ppm	<b>&lt;1</b>	4	4	4
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>93</b>	52	48	238
Magnesium	ppm	<b>13</b>	16	19	17
Zinc	ppm	<b>46</b>	28	58	107
Phosphorus	ppm	<b>1046</b>	969	993	1005
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>214</b>	191	182	195

## 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.

**Depot:** VOLVO0096  
**Unique No:** 10672305  
**Signed:** Don Baldrige  
**Report Date:** 03 Oct 2023



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## VOLVO GRAPHS

