



# CONSTRUCTION EQUIPMENT

## SW-26366-2 VOLVO A40G 340313 - BOGIE/CENTER AXLE



**Sample No:** VCP441959  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SW-26366-2



### SAMPLE INFORMATION

Sample Number	<b>VCP441959</b>	VCP363182	VCP340963	VCP317492
Sample Date	<b>15 Nov 2023</b>	07 Jun 2022	23 Nov 2021	07 Jul 2021
Machine Hours	<b>17580</b>	14134	13143	12169
Oil Hours	<b>4600</b>	1000	1000	1000
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>143</b>	135	139	129
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	1	<1	1
Sodium	ppm	<b>0</b>	0	0	<1
Potassium	ppm	<b>1</b>	0	0	0

### Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. 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>40</b>	22	8	2
Copper	ppm	<b>7</b>	1	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>1</b>	0	<1	0
Chromium	ppm	<b>&lt;1</b>	0	0	0
Molybdenum	ppm	<b>8</b>	<1	0	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>1</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>116</b>	37	30	42
Magnesium	ppm	<b>2</b>	4	0	8
Zinc	ppm	<b>78</b>	20	9	17
Phosphorus	ppm	<b>1144</b>	871	956	948
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>191</b>	198	184	195

**Depot:** VOLVO8770  
**Unique No:** 10754587  
**Signed:** Jonathan Hester  
**Report Date:** 27 Nov 2023



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## GRAPHS

