



# CONSTRUCTION EQUIPMENT

## SW-26366-2 VOLVO A40G 340313 - FRONT AXLE



**Sample No:** VCP441960  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SW-26366-2



### SAMPLE INFORMATION

Sample Number	VCP441960	VCP363180	VCP340965	VCP307167
Sample Date	15 Nov 2023	07 Jun 2022	23 Nov 2021	07 Jul 2021
Machine Hours	17580	14134	13143	12169
Oil Hours	4060	1000	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	148	136	139	128
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	1	<1	1
Sodium	ppm	0	<1	0	<1
Potassium	ppm	1	0	0	0

### 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. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	53	18	7	10
Copper	ppm	<1	<1	0	0
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	0	0	0
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	6	<1	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	5	0	0
Manganese	ppm	4	<1	0	<1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	16	10	5	35
Magnesium	ppm	2	5	0	7
Zinc	ppm	39	8	0	14
Phosphorus	ppm	1118	868	944	945
Barium	ppm	0	0	0	0
Boron	ppm	183	198	184	209

**Depot:** VOLVO8770  
**Unique No:** 10754586  
**Signed:** Wes Davis  
**Report Date:** 26 Nov 2023



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## GRAPHS

