



# CONSTRUCTION EQUIPMENT

## SWO-071204 VOLVO A40G 340716 - FRONT AXLE



**Sample No:** VCP449759  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-071204



### SAMPLE INFORMATION

Sample Number	<b>VCP449759</b>	VCP432354	VCP405259	VCP402204
Sample Date	<b>18 Apr 2024</b>	05 Dec 2023	30 Aug 2023	26 Apr 2023
Machine Hours	<b>9946</b>	9440	8929	8381
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207

Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



### OIL CONDITION

Visc @ 40°C	cSt	<b>281</b>	281	281	279.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>▲ 84</b>	2	2	2
Sodium	ppm	0	0	<1	<1
Potassium	ppm	<1	1	0	<1

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>128</b>	7	7	6
Copper	ppm	<1	0	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<b>8</b>	1	0	0
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	4	6	4	6
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	0	<1	<1
Vanadium	ppm	<1	0	0	0



### ADDITIVES

Calcium	ppm	<b>148</b>	144	144	147
Magnesium	ppm	<b>38</b>	43	44	46
Zinc	ppm	<b>81</b>	88	91	104
Phosphorus	ppm	<b>819</b>	1049	999	1036
Barium	ppm	0	0	0	0
Boron	ppm	<b>151</b>	178	184	173

**Depot:** SAIBIR  
**Unique No:** 10991815  
**Signed:** Don Baldrige  
**Report Date:** 24 Apr 2024



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## VOLVO GRAPHS

