



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342540 - FRONT AXLE



**Sample No:** VCP0007589  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007589</b>	VCP340562	VCP301594	VCP272311
Sample Date	<b>06 Jul 2023</b>	09 Nov 2021	12 Feb 2021	08 Apr 2020
Machine Hours	<b>0</b>	4094	3069	2084
Oil Hours	<b>0</b>	2000	1000	0
Oil Changed	<b>N/A</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	ATTENTION	NORMAL	ABNORMAL

**QGS - QUALITY GRASSES SERV/TCF LEASING**  
 17502 CR 672  
 LITHIA, FL  
 US 33547  
 Contact: GARY ROGERS  
 grogers@qgsdevelopment.com  
 T: (813)323-4119  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	<b>294</b>	49.5	296	52.6
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### CONTAMINATION

Silicon	ppm	<b>8</b>	23	3	4
Sodium	ppm	<b>0</b>	9	<1	4
Potassium	ppm	<b>1</b>	2	0	5

**Diagnosis**  
 Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

### WEAR METALS

Iron	ppm	<b>98</b>	433	71	169
Copper	ppm	<b>&lt;1</b>	53	<1	3
Lead	ppm	<b>0</b>	1	<1	0
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>0</b>	22	<1	<1
Chromium	ppm	<b>1</b>	6	1	2
Molybdenum	ppm	<b>3</b>	14	2	3
Nickel	ppm	<b>&lt;1</b>	5	<1	1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>&lt;1</b>	0	<1	0
Manganese	ppm	<b>5</b>	7	3	5
Vanadium	ppm	<b>0</b>	0	0	<1

### ADDITIVES

Calcium	ppm	<b>74</b>	125	60	100
Magnesium	ppm	<b>11</b>	2	3	<1
Zinc	ppm	<b>64</b>	165	25	35
Phosphorus	ppm	<b>978</b>	2054	961	2208
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>220</b>	112	177	180

**Depot:** QUALITFL  
**Unique No:** 10549874  
**Signed:** Doug Bogart  
**Report Date:** 17 Jul 2023



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## GRAPHS

