



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342538 - REAR AXLE



**Sample No:** VCP0007980

**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007980</b>	VCP357451	VCP257268	VCP274910
Sample Date	<b>06 Jul 2023</b>	12 Apr 2022	03 Aug 2021	27 Apr 2020
Machine Hours	<b>0</b>	5233	4214	2052
Oil Hours	<b>0</b>	1000	1500	2052
Oil Changed	<b>N/A</b>	Not Chngd	Changed	Changed
Sample Status	<b>ATTENTION</b>	NORMAL	NORMAL	NORMAL

**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>173</b>	291	292	283
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### CONTAMINATION

Silicon	ppm	<b>14</b>	4	4	3
Sodium	ppm	<b>0</b>	<1	0	1
Potassium	ppm	<b>2</b>	0	0	0

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.



### WEAR METALS

Iron	ppm	<b>9</b>	40	107	51
Copper	ppm	<b>&lt;1</b>	<1	<1	1
Lead	ppm	<b>0</b>	0	0	1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	0	0
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	3	2	2
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	1	2	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>▲ 3262</b>	140	130	100
Magnesium	ppm	<b>22</b>	37	15	6
Zinc	ppm	<b>▲ 1139</b>	71	65	43
Phosphorus	ppm	<b>989</b>	925	910	897
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>▲ 28</b>	170	161	146

**Depot:** QUALITFL  
**Unique No:** 10549881  
**Signed:** Sean Felton  
**Report Date:** 11 Jul 2023



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## GRAPHS

