



# CONSTRUCTION EQUIPMENT

## 729036 VOLVO A40G 342177 - REAR AXLE



**Sample No:** VCP439776  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 729036



### SAMPLE INFORMATION

Sample Number	<b>VCP439776</b>	VCP408280	VCP358215	VCP332176
Sample Date	<b>06 Jun 2024</b>	29 Jun 2023	19 Sep 2022	02 Mar 2022
Machine Hours	<b>11658</b>	10619	9334	8227
Oil Hours	<b>3000</b>	2000	500	1500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	NORMAL

**RIPA AND ASSOCIATES**  
 10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: PM Services  
 PMServices@ripaconstruction.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>319</b>	319	307	271
-------------	-----	------------	-----	-----	-----



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>6</b>	4	2	11
Sodium	ppm	<b>0</b>	0	0	0
Potassium	ppm	<b>1</b>	0	<1	1

### 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	<b>102</b>	66	23	63
Copper	ppm	<b>&lt;1</b>	0	0	1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	0	2
Chromium	ppm	<b>1</b>	1	<1	<1
Molybdenum	ppm	<b>2</b>	2	1	7
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>22</b>	45	43	83
Magnesium	ppm	<b>6</b>	7	8	22
Zinc	ppm	<b>37</b>	38	52	69
Phosphorus	ppm	<b>962</b>	1008	996	1008
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>191</b>	205	177	174

**Depot:** RIPTAM  
**Unique No:** 11127044  
**Signed:** Sean Felton  
**Report Date:** 18 Jul 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

