



# CONSTRUCTION EQUIPMENT

## 687484 VOLVO A30G 752866 - FRONT AXLE



**Sample No:** VCP444031  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 687484



### SAMPLE INFORMATION

Sample Number	<b>VCP444031</b>	VCP422143	VCP402757	---
Sample Date	<b>15 Mar 2024</b>	05 Jul 2023	13 Feb 2023	---
Machine Hours	<b>2208</b>	1096	526	---
Oil Hours	<b>1500</b>	500	526	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: ROBERT TURNER  
 rturner@ripatampa.com



### OIL CONDITION

Visc @ 40°C	cSt	<b>193</b>	199	89.7	---
-------------	-----	------------	-----	------	-----

T:  
F:



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>3</b>	3	5	---
Sodium	ppm	<b>&lt;1</b>	<1	1	---
Potassium	ppm	<b>0</b>	1	4	---

### 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>198</b>	106	252	---
Copper	ppm	<b>14</b>	7	15	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>0</b>	1	<1	---
Chromium	ppm	<b>3</b>	2	6	---
Molybdenum	ppm	<b>5</b>	5	11	---
Nickel	ppm	<b>2</b>	1	4	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>5</b>	4	9	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>336</b>	306	906	---
Magnesium	ppm	<b>15</b>	15	4	---
Zinc	ppm	<b>171</b>	138	381	---
Phosphorus	ppm	<b>1188</b>	1082	1271	---
Barium	ppm	<b>2</b>	0	3	---
Boron	ppm	<b>156</b>	172	254	---

**Depot:** RIPTAM  
**Unique No:** 10976308  
**Signed:** Don Baldrige  
**Report Date:** 15 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

