



# CONSTRUCTION EQUIPMENT

## 688604 VOLVO A30G 752326 - BOGIE/CENTER AXLE



**Sample No:** VCP445557  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 688604



### SAMPLE INFORMATION

Sample Number	<b>VCP445557</b>	VCP393519	VCP376311	VCP332968
Sample Date	<b>04 Apr 2024</b>	08 Mar 2023	12 Aug 2022	18 Mar 2022
Machine Hours	<b>5120</b>	3043	2015	1147
Oil Hours	<b>1000</b>	1500	500	500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	ATTENTION

### 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>303</b>	204	225	220.5
-------------	-----	------------	-----	-----	-------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	6	4	4
Sodium	ppm	<b>0</b>	1	0	0
Potassium	ppm	<b>0</b>	<1	2	<1



### WEAR METALS

Iron	ppm	<b>83</b>	208	155	111
Copper	ppm	<b>4</b>	14	13	8
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>0</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	4	3	2
Molybdenum	ppm	<b>&lt;1</b>	3	2	2
Nickel	ppm	<b>0</b>	2	1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	6	5	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>193</b>	261	184	193
Magnesium	ppm	<b>15</b>	4	4	4
Zinc	ppm	<b>95</b>	139	108	112
Phosphorus	ppm	<b>1059</b>	1026	1073	1082
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>212</b>	150	167	218

### 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.

**Depot:** RIPTAM  
**Unique No:** 11031766  
**Signed:** Wes Davis  
**Report Date:** 16 May 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

