



# CONSTRUCTION EQUIPMENT

## 339661-10 VOLVO A45G 342461 - REAR AXLE



**Sample No:** VCP433475  
**Oil Type:** VOLVO API GL-5 SAE 75W90  
**Job No:** 339661-10



### SAMPLE INFORMATION

Sample Number	<b>VCP433475</b>	VCP346590	VCP377747	VCP338604
Sample Date	<b>07 Sep 2023</b>	06 Aug 2022	27 Jun 2022	12 Mar 2022
Machine Hours	<b>9629</b>	7000	6550	6036
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	NORMAL

**ALTA CONSTRUCTION EQUIPMENT**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	43.2	43.2	50.5
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### CONTAMINATION

Silicon	ppm	<b>28</b>	11	13	2
Sodium	ppm	<b>1</b>	6	7	0
Potassium	ppm	<b>4</b>	2	<1	2



### WEAR METALS

Iron	ppm	<b>563</b>	28	19	40
Copper	ppm	<b>4</b>	<1	<1	3
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>0</b>	2	2	0
Chromium	ppm	<b>8</b>	<1	<1	<1
Molybdenum	ppm	<b>5</b>	<1	<1	<1
Nickel	ppm	<b>2</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>23</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>206</b>	3850	3891	182
Magnesium	ppm	<b>11</b>	16	20	<1
Zinc	ppm	<b>99</b>	1556	1524	79
Phosphorus	ppm	<b>385</b>	1298	1282	2480
Barium	ppm	<b>0</b>	1	<1	0
Boron	ppm	<b>4</b>	140	140	287

### 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:** VOLVO5055  
**Unique No:** 10646484  
**Signed:** Jonathan Hester  
**Report Date:** 18 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

