



# CONSTRUCTION EQUIPMENT

## SWA311393 RENTAL VOLVO A45G 342479 - DROP BOX



**Sample No:** VCP409161  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWA311393 RENTAL



### SAMPLE INFORMATION

Sample Number	<b>VCP409161</b>	VCP409167	VCP373785	VCP387290
Sample Date	<b>28 Jul 2023</b>	28 Jul 2023	15 Mar 2023	27 Oct 2022
Machine Hours	<b>9012</b>	9012	7800	6690
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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

Visc @ 40°C	cSt	<b>132</b>	129	145	147
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### CONTAMINATION

Silicon	ppm	<b>4</b>	4	8	11
Sodium	ppm	<b>&lt;1</b>	1	<1	2
Potassium	ppm	<b>&lt;1</b>	<1	2	7



### WEAR METALS

Iron	ppm	<b>24</b>	83	212	322
Copper	ppm	<b>&lt;1</b>	4	7	12
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	2
Chromium	ppm	<b>&lt;1</b>	1	3	4
Molybdenum	ppm	<b>&lt;1</b>	5	8	12
Nickel	ppm	<b>&lt;1</b>	<1	2	2
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	1	3	6
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>229</b>	124	37	96
Magnesium	ppm	<b>0</b>	0	2	4
Zinc	ppm	<b>107</b>	58	43	60
Phosphorus	ppm	<b>520</b>	812	2185	1561
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>1</b>	40	122	142

### 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:** 10589820  
**Signed:** Wes Davis  
**Report Date:** 08 Aug 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

