



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352134 - DROP BOX



**Sample No:** VCP431057  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP431057</b>	VCP431896	VCP416721	VCP401940
Sample Date	<b>22 Nov 2023</b>	26 Sep 2023	31 Jul 2023	04 Apr 2023
Machine Hours	<b>8724</b>	8228	7719	6763
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>288</b>	324	319	312
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### CONTAMINATION

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

### 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>178</b>	236	208	132
Copper	ppm	<b>1</b>	1	2	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	7	5	4
Chromium	ppm	<b>2</b>	3	3	2
Molybdenum	ppm	<b>7</b>	5	6	4
Nickel	ppm	<b>1</b>	1	2	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	2	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>119</b>	86	72	58
Magnesium	ppm	<b>41</b>	35	33	32
Zinc	ppm	<b>119</b>	82	85	73
Phosphorus	ppm	<b>863</b>	1019	1024	985
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>124</b>	174	124	183

**Depot:** SAIBIR  
**Unique No:** 10766329  
**Signed:** Don Baldrige  
**Report Date:** 04 Dec 2023



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## GRAPHS

