



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352916 - FRONT AXLE



**Sample No:** VCP450927  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP450927</b>	VCP435596	VCP432937	VCP415953
Sample Date	<b>08 May 2024</b>	26 Jan 2024	11 Oct 2023	25 Jul 2023
Machine Hours	<b>4510</b>	4034	3517	3005
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>254</b>	154	49.0	48.7
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	5	4	12
Sodium	ppm	<b>1</b>	0	3	2
Potassium	ppm	<b>2</b>	4	2	3

### 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>46</b>	185	180	226
Copper	ppm	<b>3</b>	4	3	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	2	0	1
Chromium	ppm	<b>&lt;1</b>	2	2	3
Molybdenum	ppm	<b>13</b>	5	5	7
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	10	10	10
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>221</b>	141	126	137
Magnesium	ppm	<b>47</b>	2	15	<1
Zinc	ppm	<b>153</b>	66	50	62
Phosphorus	ppm	<b>1081</b>	2319	2083	2476
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>189</b>	183	167	219

**Depot:** SAIBIR  
**Unique No:** 11035997  
**Signed:** Sean Felton  
**Report Date:** 22 May 2024



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## GRAPHS

