



# CONSTRUCTION EQUIPMENT

## SWO-070936 VOLVO A45G 352708 - FRONT AXLE



**Sample No:** VCP436272  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-070936



### SAMPLE INFORMATION

Sample Number	<b>VCP436272</b>	VCP431064	VCP431109	VCP424316
Sample Date	<b>04 Apr 2024</b>	20 Nov 2023	11 Sep 2023	06 Jul 2023
Machine Hours	<b>5405</b>	4925	4418	3920
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>283</b>	283	284	49.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	6	6	6
Sodium	ppm	<b>1</b>	<1	<1	2
Potassium	ppm	<b>2</b>	0	0	4

### 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>90</b>	56	54	378
Copper	ppm	<b>1</b>	<1	0	2
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	0	<1	2
Chromium	ppm	<b>2</b>	<1	<1	5
Molybdenum	ppm	<b>9</b>	6	5	16
Nickel	ppm	<b>1</b>	0	<1	1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	1	<1
Manganese	ppm	<b>3</b>	1	2	12
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>131</b>	90	102	84
Magnesium	ppm	<b>33</b>	19	29	0
Zinc	ppm	<b>103</b>	70	73	38
Phosphorus	ppm	<b>1593</b>	1076	1205	2480
Barium	ppm	<b>1</b>	0	0	0
Boron	ppm	<b>263</b>	180	209	208

**Depot:** SAIBIR  
**Unique No:** 10968206  
**Signed:** Jonathan Hester  
**Report Date:** 12 Apr 2024



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## VOLVO GRAPHS

