



# CONSTRUCTION EQUIPMENT

SWO-068706 VOLVO A45G 352134 - FRONT AXLE



**Sample No:** VCP438026  
**Oil Type:** {unknown}  
**Job No:** SWO-068706



## SAMPLE INFORMATION

Sample Number	<b>VCP438026</b>	VCP428964	VCP431900	VCP418149
Sample Date	<b>04 Jan 2024</b>	22 Nov 2023	26 Sep 2023	31 Jul 2023
Machine Hours	<b>8960</b>	8724	8228	7719
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>144</b>	154	96.7	107
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	8	14	13
Sodium	ppm	<b>0</b>	<1	2	0
Potassium	ppm	<b>2</b>	<1	0	2



## WEAR METALS

Iron	ppm	<b>36</b>	24	75	65
Copper	ppm	<b>50</b>	38	114	111
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	1	5	4
Chromium	ppm	<b>&lt;1</b>	0	<1	1
Molybdenum	ppm	<b>8</b>	6	4	4
Nickel	ppm	<b>1</b>	<1	2	3
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	2	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1120</b>	906	1690	1494
Magnesium	ppm	<b>51</b>	50	33	31
Zinc	ppm	<b>550</b>	485	778	694
Phosphorus	ppm	<b>977</b>	921	1110	1116
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>117</b>	93	148	181

## 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:** SAIBIR  
**Unique No:** 10830990  
**Signed:** Jonathan Hester  
**Report Date:** 16 Jan 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

