



# CONSTRUCTION EQUIPMENT

SWO-071762 VOLVO A60 340104 - BRAKE



**Sample No:** VCP450983  
**Oil Type:** {unknown}  
**Job No:** SWO-071762



## SAMPLE INFORMATION

Sample Number	<b>VCP450983</b>	VCP428820	VCP426203	VCP403945
Sample Date	<b>15 May 2024</b>	30 Nov 2023	24 Aug 2023	17 Apr 2023
Machine Hours	<b>9718</b>	9185	8689	8086
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>45.4</b>	44.2	45.3	41.8
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>23</b>	20	20	23
Sodium	ppm	<b>6</b>	7	2	6
Potassium	ppm	<b>1</b>	0	1	0



## WEAR METALS

Iron	ppm	<b>63</b>	52	53	71
Copper	ppm	<b>210</b>	196	202	292
Lead	ppm	<b>3</b>	0	1	3
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>3</b>	2	3	3
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>4</b>	3	4	2
Nickel	ppm	<b>3</b>	3	4	4
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>1</b>	1	1	2
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



## ADDITIVES

Calcium	ppm	<b>3632</b>	3477	3403	3961
Magnesium	ppm	<b>66</b>	33	31	24
Zinc	ppm	<b>1452</b>	1364	1351	1614
Phosphorus	ppm	<b>1236</b>	1151	1145	1338
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>133</b>	109	111	126

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** SAIBIR  
**Unique No:** 11036083  
**Signed:** Sean Felton  
**Report Date:** 22 May 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

