



# CONSTRUCTION EQUIPMENT

## SWO-072403 VOLVO A60H 340044 - WET DISC BRAKE



**Sample No:** VCP440082  
**Oil Type:** {unknown}  
**Job No:** SWO-072403



### SAMPLE INFORMATION

Sample Number	<b>VCP440082</b>	VCP362534	VCP351723	VCP335128
Sample Date	<b>31 May 2024</b>	24 May 2022	06 May 2022	09 Feb 2022
Machine Hours	<b>9784</b>	0	6474	5979
Oil Hours	<b>0</b>	0	6474	0
Oil Changed	<b>Changed</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>53.2</b>	42.8	42.9	41.2
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### CONTAMINATION

Water	%	<b>0.357</b>	NEG	NEG	NEG
Silicon	ppm	<b>28</b>	11	26	26
Sodium	ppm	<b>3</b>	5	4	5
Potassium	ppm	<b>0</b>	0	2	<1



### WEAR METALS

Iron	ppm	<b>24</b>	29	89	85
Copper	ppm	<b>222</b>	312	299	378
Lead	ppm	<b>0</b>	<1	1	2
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>&lt;1</b>	2	5	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>7</b>	2	2	1
Nickel	ppm	<b>0</b>	2	2	4
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	<1	<1	<1
Manganese	ppm	<b>&lt;1</b>	1	2	2
Vanadium	ppm	<b>0</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>3124</b>	2812	3919	4118
Magnesium	ppm	<b>36</b>	17	27	20
Zinc	ppm	<b>1178</b>	1174	1583	1526
Phosphorus	ppm	<b>1106</b>	1193	1288	1348
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>126</b>	94	125	116

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates. The copper level is abnormal. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** SAIBIR  
**Unique No:** 11071132  
**Signed:** Doug Bogart  
**Report Date:** 19 Jun 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

