



# CONSTRUCTION EQUIPMENT

SWO-063669 VOLVO A60 A60H 340102 - TANK BRAKE



**Sample No:** VCP414280  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-063669



## SAMPLE INFORMATION

Sample Number	<b>VCP414280</b>	VCP419723	VCP393428	VCP389253
Sample Date	<b>11 Jul 2023</b>	30 Mar 2023	15 Dec 2022	14 Sep 2022
Machine Hours	<b>8821</b>	8292	7821	7310
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>43.0</b>	46.6	41.8	42.7
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## CONTAMINATION

Silicon	ppm	<b>28</b>	26	29	24
Sodium	ppm	<b>&lt;1</b>	<1	2	4
Potassium	ppm	<b>&lt;1</b>	1	0	0



## WEAR METALS

Iron	ppm	<b>77</b>	77	92	72
Copper	ppm	<b>196</b>	177	242	224
Lead	ppm	<b>1</b>	1	6	2
Tin	ppm	<b>&lt;1</b>	0	2	<1
Aluminum	ppm	<b>5</b>	4	5	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	3	2	<1
Nickel	ppm	<b>4</b>	4	5	4
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	2	2
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>3749</b>	3557	3916	3630
Magnesium	ppm	<b>35</b>	31	24	22
Zinc	ppm	<b>1105</b>	1213	1217	1302
Phosphorus	ppm	<b>1144</b>	1136	1195	1144
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>104</b>	122	117	134

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** SAIBIR  
**Unique No:** 10560330  
**Signed:** Don Baldrige  
**Report Date:** 17 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

