



# CONSTRUCTION EQUIPMENT

## SWO-064541 VOLVO A60H 350051 - WET DISC BRAKE



**Sample No:** VCP416407  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-064541



### SAMPLE INFORMATION

Sample Number	<b>VCP416407</b>	VCP341925	VCP320442	VCP309378
Sample Date	<b>03 Aug 2023</b>	16 Nov 2021	24 Aug 2021	17 Feb 2021
Machine Hours	<b>6858</b>	3885	3354	2399
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>45.4</b>	41.4	40.4	40.2
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### CONTAMINATION

Water	%	---	▲ 0.491	---	---
Silicon	ppm	<b>23</b>	24	19	23
Sodium	ppm	<b>0</b>	7	7	9
Potassium	ppm	<b>3</b>	2	0	0

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. 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>68</b>	86	49	66
Copper	ppm	▲ <b>386</b>	501	429	311
Lead	ppm	<b>&lt;1</b>	<1	<1	1
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>4</b>	2	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	<1	0	0
Nickel	ppm	<b>4</b>	5	4	3
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>&lt;1</b>	<1	<1	<1
Manganese	ppm	<b>3</b>	4	3	2
Vanadium	ppm	<b>0</b>	<1	<1	1



### ADDITIVES

Calcium	ppm	<b>3463</b>	4020	3821	3774
Magnesium	ppm	<b>30</b>	12	10	8
Zinc	ppm	<b>1317</b>	1419	1473	1536
Phosphorus	ppm	<b>1180</b>	1339	1290	1176
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>117</b>	128	115	105

**Depot:** SAIBIR  
**Unique No:** 10589862  
**Signed:** Don Baldrige  
**Report Date:** 09 Aug 2023



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## GRAPHS

