



# CONSTRUCTION EQUIPMENT

## VOLVO A60H 350 190 - BRAKE



**Sample No:** VCP445490

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP445490</b>	VCP414806	VCP434747	VCP395254
Sample Date	<b>15 Apr 2024</b>	12 Dec 2023	05 Sep 2023	05 May 2023
Machine Hours	<b>3617</b>	3131	2618	2128
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

**SAIIA CONSTRUCTION LLC**

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.0</b>	41.8	41.7	42.1
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>20</b>	23	21	31
Sodium	ppm	<b>11</b>	13	13	14
Potassium	ppm	<b>0</b>	0	1	1



### WEAR METALS

Iron	ppm	<b>58</b>	62	54	94
Copper	ppm	<b>495</b>	453	432	367
Lead	ppm	<b>0</b>	3	<1	<1
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	1	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>0</b>	0	0	<1
Nickel	ppm	<b>3</b>	5	4	4
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>5</b>	5	4	6
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3745</b>	3899	3884	4562
Magnesium	ppm	<b>13</b>	15	16	18
Zinc	ppm	<b>1410</b>	1461	1431	1640
Phosphorus	ppm	<b>1354</b>	1290	1270	1341
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>126</b>	133	142	157

### 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. 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:** 11004050

**Signed:** Jonathan Hester

**Report Date:** 01 May 2024

**VOLVO** **GRAPHS**

