



# CONSTRUCTION EQUIPMENT

## VOLVO A60H 35022 - BRAKE



**Sample No:** VCP450822  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP450822</b>	VCP431036	VCP405833	VCP402735
Sample Date	<b>06 Jun 2024</b>	23 Jan 2024	27 Sep 2023	01 May 2023
Machine Hours	<b>8426</b>	7905	7399	6905
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

**SAIIA CONSTRUCTION LLC**  
 4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207  
 Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



### OIL CONDITION

Visc @ 40°C	cSt	<b>51.5</b>	50.4	52.2	50.8
-------------	-----	-------------	------	------	------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>13</b>	15	13	13
Sodium	ppm	<b>1</b>	4	4	4
Potassium	ppm	<b>2</b>	1	0	0

### 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.



### WEAR METALS

Iron	ppm	<b>25</b>	30	27	26
Copper	ppm	<b>213</b>	252	236	219
Lead	ppm	<b>&lt;1</b>	1	1	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>2</b>	2	5	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>4</b>	2	3	4
Nickel	ppm	<b>2</b>	2	3	2
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	2	2	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>2738</b>	2663	2823	2657
Magnesium	ppm	<b>33</b>	33	32	32
Zinc	ppm	<b>1183</b>	1191	1322	1195
Phosphorus	ppm	<b>902</b>	1020	1094	995
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>91</b>	92	83	69

**Depot:** SAIBIR  
**Unique No:** 11075571  
**Signed:** Don Baldrige  
**Report Date:** 14 Jun 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

