



CONSTRUCTION EQUIPMENT

SWO-064224 VOLVO A45G 352736 - BRAKE



Sample No: VCP418152
Oil Type: NOT GIVEN
Job No: SWO-064224



SAMPLE INFORMATION

Sample Number	VCP418152	VCP400732	VCP397970	VCP367371
Sample Date	01 Aug 2023	02 May 2023	07 Dec 2022	19 Sep 2022
Machine Hours	7719	3396	2918	2448
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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	40.0	40.0	40.1	40.0
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CONTAMINATION

Silicon	ppm	23	22	24	21
Sodium	ppm	8	10	11	11
Potassium	ppm	1	<1	<1	0



WEAR METALS

Iron	ppm	51	41	72	38
Copper	ppm	158	139	137	123
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	3	<1	1	2
Chromium	ppm	1	1	1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	7	6	5	5
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3372	3395	3773	3562
Magnesium	ppm	9	13	9	8
Zinc	ppm	1490	1544	1594	1533
Phosphorus	ppm	1309	1280	1262	1266
Barium	ppm	0	0	0	0
Boron	ppm	149	102	117	110

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10588369
Signed: Jonathan Hester
Report Date: 07 Aug 2023



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GRAPHS

