



CONSTRUCTION EQUIPMENT

SWO-069272 VOLVO A45G 352071 - BRAKE



Sample No: VCP435587
Oil Type: {unknown}
Job No: SWO-069272



SAMPLE INFORMATION

Sample Number	VCP435587	VCP427482	VCP413180	VCP382589
Sample Date	29 Jan 2024	09 Oct 2023	12 Jul 2023	12 Apr 2023
Machine Hours	7545	7028	6523	6049
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	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	45.9	44.9	43.9	43.9
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	14	16	16
Sodium	ppm	0	<1	4	4
Potassium	ppm	2	3	0	0

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.



WEAR METALS

Iron	ppm	19	21	22	19
Copper	ppm	112	111	125	120
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	1	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	3	4	4
Nickel	ppm	5	5	5	5
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	2
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2397	2442	3396	3210
Magnesium	ppm	153	144	23	26
Zinc	ppm	1310	1356	1504	1401
Phosphorus	ppm	1190	1249	1291	1156
Barium	ppm	0	9	0	0
Boron	ppm	72	77	110	91

Depot: SAIBIR
Unique No: 10859317
Signed: Don Baldrige
Report Date: 03 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

