



CONSTRUCTION EQUIPMENT

SWO-070856 VOLVO A45G 342096 - WET DISC BRAKE



Sample No: VCP438710
Oil Type: VOLVO WB 101
Job No: SWO-070856



SAMPLE INFORMATION

Sample Number	VCP438710	VCP435407	VCP415567	VCP404595
Sample Date	02 Apr 2024	13 Nov 2023	22 Aug 2023	08 May 2023
Machine Hours	10079	9583	9107	8608
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	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	48.6	48.8	48.4	48.9
-------------	-----	-------------	------	------	------



CONTAMINATION

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



WEAR METALS

Iron	ppm	34	33	33	33
Copper	ppm	235	249	221	175
Lead	ppm	2	0	0	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	1	3	1
Chromium	ppm	0	<1	<1	1
Molybdenum	ppm	2	3	2	3
Nickel	ppm	4	4	4	4
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2622	2687	2728	2760
Magnesium	ppm	22	23	29	28
Zinc	ppm	1211	1241	1226	1318
Phosphorus	ppm	1036	1054	1022	1045
Barium	ppm	0	0	0	0
Boron	ppm	81	84	86	70

Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. 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 oil. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10965068
Signed: Don Baldrige
Report Date: 09 Apr 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

