



CONSTRUCTION EQUIPMENT

SWO-072403 VOLVO A60H 340044 - TANK BRAKE



Sample No: VCP440082
Oil Type: {unknown}
Job No: SWO-072403



SAMPLE INFORMATION

Sample Number	VCP440082	VCP415570	VCP403630	VCP394355
Sample Date	31 May 2024	04 Aug 2023	11 May 2023	21 Feb 2023
Machine Hours	9784	8791	8303	7835
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	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	53.2	45.8	45.5	43.2
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	0.357	NEG	NEG	NEG
Silicon	ppm	28	41	31	35
Sodium	ppm	3	0	<1	2
Potassium	ppm	0	2	2	2



WEAR METALS

Iron	ppm	24	97	81	101
Copper	ppm	222	331	216	293
Lead	ppm	0	1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	10	6	7
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	7	4	4	1
Nickel	ppm	0	3	3	4
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	2	2	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3124	3726	3597	3727
Magnesium	ppm	36	33	32	23
Zinc	ppm	1178	1064	1213	1221
Phosphorus	ppm	1106	1116	1091	1170
Barium	ppm	0	2	0	<1
Boron	ppm	126	129	115	133

Diagnosis

We advise that you check for the source of water entry. 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 a moderate concentration of water present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: SAIBIR
Unique No: 11071132
Signed: Jonathan Hester
Report Date: 12 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

