



CONSTRUCTION EQUIPMENT

SWO-068625 VOLVO A45G 353090 - BRAKE



Sample No: VCP447538
Oil Type: {unknown}
Job No: SWO-068625



SAMPLE INFORMATION

Sample Number	VCP447538	VCP432852	VCP412727	VCP395403
Sample Date	03 Jan 2024	19 Sep 2023	09 Jun 2023	23 Feb 2023
Machine Hours	2588	2023	1481	1006
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	40.9	40.6	40.7	41.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	26	18	25	18
Sodium	ppm	8	9	11	12
Potassium	ppm	3	2	0	2



WEAR METALS

Iron	ppm	37	23	31	31
Copper	ppm	209	136	88	53
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	3	<1	2
Chromium	ppm	<1	<1	1	1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	8	6	4	4
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	2	<1	1	1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	4504	3287	3666	3857
Magnesium	ppm	11	6	10	9
Zinc	ppm	1983	1474	1625	1650
Phosphorus	ppm	1608	1256	1340	1339
Barium	ppm	8	0	0	0
Boron	ppm	144	110	119	129

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.

Depot: SAIBIR
Unique No: 10820293
Signed: Jonathan Hester
Report Date: 10 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

