



CONSTRUCTION EQUIPMENT

SWO-068391 VOLVO A45G 352969 - BRAKE



Sample No: VCP414811
Oil Type: NOT GIVEN
Job No: SWO-068391



SAMPLE INFORMATION

Sample Number	VCP414811	VCP433939	VCP416522	VCP397909
Sample Date	20 Dec 2023	19 Sep 2023	21 Jun 2023	24 Jan 2023
Machine Hours	2980	2491	2003	1469
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	40.8	40.0	41.3	40.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	17	17	18
Sodium	ppm	0	9	12	12
Potassium	ppm	0	2	1	0

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.



WEAR METALS

Iron	ppm	14	18	19	11
Copper	ppm	284	217	183	146
Lead	ppm	0	0	2	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	2	3	<1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	5	4	3
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	1	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3223	3145	3401	3540
Magnesium	ppm	48	32	13	9
Zinc	ppm	1459	1417	1511	1479
Phosphorus	ppm	1310	1200	1239	1204
Barium	ppm	4	0	0	<1
Boron	ppm	103	113	116	127

Depot: SAIBIR
Unique No: 10809847
Signed: Jonathan Hester
Report Date: 04 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

