



CONSTRUCTION EQUIPMENT

SWO-068559 VOLVO A40G 341023 - BRAKE



Sample No: VCP447531
Oil Type: NOT GIVEN
Job No: SWO-068559



SAMPLE INFORMATION

Sample Number	VCP447531	VCP435382	VCP408972	VCP368382
Sample Date	27 Dec 2023	20 Sep 2023	13 Jun 2023	07 Mar 2023
Machine Hours	8960	8472	7952	7404
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	50.3	53.1	50.5	50.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	15	15	15
Sodium	ppm	0	2	1	4
Potassium	ppm	0	1	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	16	19	24	27
Copper	ppm	373	292	400	339
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	3	<1	1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	0	4	3	3
Nickel	ppm	0	4	5	4
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	0	1	1	1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3448	3181	3178	3277
Magnesium	ppm	41	41	33	36
Zinc	ppm	1388	1322	1325	1292
Phosphorus	ppm	1218	1085	1149	1090
Barium	ppm	4	0	2	0
Boron	ppm	99	93	89	80

Depot: SAIBIR
Unique No: 10809861
Signed: Jonathan Hester
Report Date: 04 Jan 2024



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VOLVO GRAPHS

