



CONSTRUCTION EQUIPMENT

SWO-064724 VOLVO A60H 340044 - TANK BRAKE



Sample No: VCP415570
Oil Type: NOT GIVEN
Job No: SWO-064724



SAMPLE INFORMATION

Sample Number	VCP415570	VCP403630	VCP394355	VCP379751
Sample Date	04 Aug 2023	11 May 2023	21 Feb 2023	19 Oct 2022
Machine Hours	8791	8303	7835	7312
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	45.8	45.5	43.2	43.7
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CONTAMINATION

Silicon	ppm	41	31	35	31
Sodium	ppm	0	<1	2	3
Potassium	ppm	2	2	2	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	97	81	101	84
Copper	ppm	331	216	293	257
Lead	ppm	1	<1	<1	2
Tin	ppm	0	0	0	0
Aluminum	ppm	10	6	7	3
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	4	4	1	1
Nickel	ppm	3	3	4	3
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	2	2	2	2
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	3726	3597	3727	3874
Magnesium	ppm	33	32	23	24
Zinc	ppm	1064	1213	1221	1402
Phosphorus	ppm	1116	1091	1170	1174
Barium	ppm	2	0	<1	0
Boron	ppm	129	115	133	120

Depot: SAIBIR
Unique No: 10607569
Signed: Don Baldrige
Report Date: 21 Aug 2023



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GRAPHS

