



CONSTRUCTION EQUIPMENT

SWO-063883 VOLVO A60H 350067 - BRAKE



Sample No: VCP417786
Oil Type: NOT GIVEN
Job No: SWO-063883



SAMPLE INFORMATION

Sample Number	VCP417786	VCP410194	VCP387911	VCP373438
Sample Date	12 Jul 2023	31 Mar 2023	09 Nov 2022	02 Aug 2022
Machine Hours	5889	5382	4893	4363
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.7	44.6	43.3	43.3
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CONTAMINATION

Silicon	ppm	19	19	17	16
Sodium	ppm	5	8	8	8
Potassium	ppm	2	2	0	2



WEAR METALS

Iron	ppm	44	48	42	29
Copper	ppm	522	494	442	447
Lead	ppm	0	0	5	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	1	1	2	2
Nickel	ppm	5	4	4	4
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	3	3	2	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3381	3469	3296	3257
Magnesium	ppm	21	26	26	23
Zinc	ppm	1301	1355	1289	1387
Phosphorus	ppm	1227	1192	1102	1210
Barium	ppm	0	0	0	2
Boron	ppm	111	123	109	103

Diagnosis

The fluid change at the time of sampling has been noted. 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: 10561652
Signed: Jonathan Hester
Report Date: 20 Jul 2023



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GRAPHS

