



CONSTRUCTION EQUIPMENT

SWO-068207 VOLVO A60H 350190 - BRAKE



Sample No: VCP414806
Oil Type: NOT GIVEN
Job No: SWO-068207



SAMPLE INFORMATION

Sample Number	VCP414806	VCP434747	VCP395254	VCP388382
Sample Date	12 Dec 2023	05 Sep 2023	05 May 2023	19 Jan 2023
Machine Hours	3131	2618	2128	1651
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207

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OIL CONDITION

Visc @ 40°C	cSt	41.8	41.7	42.1	40.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	23	21	31	19
Sodium	ppm	13	13	14	11
Potassium	ppm	0	1	1	<1



WEAR METALS

Iron	ppm	62	54	94	44
Copper	ppm	453	432	367	294
Lead	ppm	3	<1	<1	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	1	1	1	1
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	5	4	4	3
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	5	4	6	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3899	3884	4562	3652
Magnesium	ppm	15	16	18	13
Zinc	ppm	1461	1431	1640	1433
Phosphorus	ppm	1290	1270	1341	1219
Barium	ppm	0	0	0	0
Boron	ppm	133	142	157	123

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: 10793442
Signed: Don Baldrige
Report Date: 20 Dec 2023



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GRAPHS

