



CONSTRUCTION EQUIPMENT

SWO-063670 VOLVO A60 A60H 340126 - TANK BRAKE



Sample No: VCP424607
Oil Type: Brake
Job No: SWO-063670



SAMPLE INFORMATION

Sample Number	VCP424607	VCP401984	VCP397730	VCP379745
Sample Date	11 Jul 2023	10 Apr 2023	20 Jan 2023	19 Oct 2022
Machine Hours	8645	8117	7659	7148
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	SEVERE	ATTENTION	MARGINAL	MARGINAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207

Contact: STEPHANI BRITTON
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OIL CONDITION

Visc @ 40°C	cSt	41.1	43.2	41.7	42.2
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CONTAMINATION

Silicon	ppm	50	31	28	26
Sodium	ppm	3	<1	3	2
Potassium	ppm	<1	0	0	0



WEAR METALS

Iron	ppm	1053	82	88	82
Copper	ppm	152	202	263	271
Lead	ppm	1	2	2	2
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	10	4	5	5
Chromium	ppm	2	0	<1	<1
Molybdenum	ppm	4	3	1	1
Nickel	ppm	3	3	4	4
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	7	<1	1	2
Vanadium	ppm	<1	0	<1	<1



ADDITIVES

Calcium	ppm	3403	3467	3508	3802
Magnesium	ppm	36	37	24	24
Zinc	ppm	1056	1097	1223	1351
Phosphorus	ppm	1036	1031	1081	1195
Barium	ppm	0	0	<1	0
Boron	ppm	95	107	113	116

Diagnosis

The fluid change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. Gear wear is indicated. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: SAIBIR
Unique No: 10560341
Signed: Don Baldrige
Report Date: 17 Jul 2023



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GRAPHS

