



CONSTRUCTION EQUIPMENT

VOLVO A45G 342321 - BRAKE



Sample No: VCP412973
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP412973	VCP403657	VCP369287	VCP375645
Sample Date	11 Jul 2023	22 Mar 2023	23 Nov 2022	16 Aug 2022
Machine Hours	8493	8012	7534	6948
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	49.1	53.8	46.3	46.8
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CONTAMINATION

Silicon	ppm	14	15	15	13
Sodium	ppm	3	5	0	2
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	24	23	22	23
Copper	ppm	159	217	257	221
Lead	ppm	0	<1	0	1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	3	2	2	2
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	5	2	2	1
Nickel	ppm	3	4	2	4
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3059	2623	2781	2530
Magnesium	ppm	43	25	21	23
Zinc	ppm	1356	1207	1154	1190
Phosphorus	ppm	1146	1113	1094	1028
Barium	ppm	0	0	0	0
Boron	ppm	105	88	100	110

Diagnosis

Resample at the next service interval to monitor. All 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: 10574624
Signed: Sean Felton
Report Date: 28 Jul 2023



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GRAPHS

