



CONSTRUCTION EQUIPMENT

VOLVO A40G 340716 - BRAKE



Sample No: VCP432020

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP432020	VCP419109	VCP402287	VCP366085
Sample Date	05 Dec 2023	30 Aug 2023	26 Apr 2023	23 Nov 2022
Machine Hours	9440	8929	8381	7881
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	52.1	52.5	52.4	50.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	13	13	11
Sodium	ppm	0	4	0	0
Potassium	ppm	2	0	2	0



WEAR METALS

Iron	ppm	25	23	23	15
Copper	ppm	253	229	229	314
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	1	1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	4	3	4	<1
Nickel	ppm	2	2	2	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2958	3076	2921	2835
Magnesium	ppm	54	46	38	22
Zinc	ppm	1286	1320	1242	1172
Phosphorus	ppm	1108	1070	1034	1017
Barium	ppm	0	0	0	0
Boron	ppm	98	105	96	103

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: 10789021

Signed: Don Baldrige

Report Date: 17 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

