



CONSTRUCTION EQUIPMENT

VOLVO A45G 352565 - BRAKE



Sample No: VCP432350

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP432350	VCP429592	VCP416728	VCP412971
Sample Date	06 Dec 2023	03 Oct 2023	31 Jul 2023	31 May 2023
Machine Hours	8568	8080	7625	7148
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	48.4	45.5	46.0	46.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	13	15	17
Sodium	ppm	0	5	3	6
Potassium	ppm	2	0	<1	0



WEAR METALS

Iron	ppm	20	19	21	25
Copper	ppm	110	123	132	123
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	2	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	4	3	6	5
Nickel	ppm	4	4	5	4
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3180	2789	2928	3064
Magnesium	ppm	39	35	33	35
Zinc	ppm	1356	1231	1285	1332
Phosphorus	ppm	1232	1117	1181	1164
Barium	ppm	0	0	0	0
Boron	ppm	105	79	120	88

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SAIBIR

Unique No: 10789004

Signed: Don Baldrige

Report Date: 17 Dec 2023



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GRAPHS

