



CONSTRUCTION EQUIPMENT

VOLVO A45G 352973 - DROP BOX



Sample No: VCP431885

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP431885	VCP427431	VCP405906	VCP405251
Sample Date	08 Nov 2023	24 Aug 2023	06 Jun 2023	21 Mar 2023
Machine Hours	3521	3044	2472	2001
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

Contact: STEPHANI BRITTON

sbritton@saiia.com;doug.bogart@wearcheck.com

T: (205)943-2268

F: (205)943-2269



OIL CONDITION

Visc @ 40°C	cSt	47.8	48.5	48.0	47.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 69	▲ 69	▲ 66	▲ 62
Sodium	ppm	■ 8	■ 5	■ 8	■ 9
Potassium	ppm	■ 3	■ 3	■ 3	■ 1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 329	■ 313	■ 187	■ 101
Copper	ppm	■ 15	■ 14	■ 10	■ 11
Lead	ppm	■ 0	■ <1	■ <1	■ 0
Tin	ppm	■ 0	■ 0	■ <1	■ 0
Aluminum	ppm	■ 0	■ 0	■ <1	■ <1
Chromium	ppm	■ 2	■ 2	■ 2	■ 1
Molybdenum	ppm	5	6	5	6
Nickel	ppm	■ 2	■ 2	■ 1	■ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	7	7	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	28	28	44	55
Magnesium	ppm	5	4	5	5
Zinc	ppm	119	113	108	102
Phosphorus	ppm	2091	2041	2390	2290
Barium	ppm	0	0	0	0
Boron	ppm	125	102	113	105

Depot: SAIBIR

Unique No: 10750866

Signed: Angela Borella

Report Date: 21 Nov 2023



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GRAPHS

