



CONSTRUCTION EQUIPMENT

VOLVO A45G 352969 - DROP BOX



Sample No: VCP433942
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP433942	VCP413182	VCP416634	VCP397711
Sample Date	19 Sep 2023	12 Jul 2023	21 Jun 2023	24 Jan 2023
Machine Hours	2491	2095	2003	1469
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	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	113	▲ 51.9	▲ 51.6	▲ 49.8
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CONTAMINATION

Silicon	ppm	14	▲ 68	▲ 62	▲ 64
Sodium	ppm	2	■ 8	■ 9	■ 9
Potassium	ppm	1	■ 4	■ 7	■ 4



WEAR METALS

Iron	ppm	72	■ 367	■ 323	■ 327
Copper	ppm	14	▲ 93	▲ 92	▲ 93
Lead	ppm	0	■ 0	■ 1	■ 0
Tin	ppm	0	■ 0	■ <1	■ 0
Aluminum	ppm	0	■ 1	■ 3	■ 1
Chromium	ppm	1	■ 4	■ 4	■ 4
Molybdenum	ppm	9	33	29	■ 30
Nickel	ppm	<1	■ 2	■ 2	■ 2
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	■ 9	■ 9	■ 10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	63	■ 61	■ 44	■ 47
Magnesium	ppm	16	■ 5	■ 6	■ 4
Zinc	ppm	109	244	226	■ 243
Phosphorus	ppm	1159	■ 2353	■ 2156	■ 2125
Barium	ppm	0	■ 0	■ 0	■ 1
Boron	ppm	93	■ 102	■ 69	■ 92

Diagnosis
 No corrective action is recommended at this time. 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: 10662678
Signed: Doug Bogart
Report Date: 27 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

