



CONSTRUCTION EQUIPMENT

VOLVO A45G 342321 - BOGIE/CENTER AXLE



Sample No: VCP413050
Oil Type: VOLVO API GL-5 SAE 75W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP413050	VCP405910	VCP371290	VCP364249
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	NORMAL	NORMAL	NORMAL

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	313	285	286	286
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Silicon	ppm	4	4	4	3
Sodium	ppm	0	2	0	0
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	19	145	92	92
Copper	ppm	0	1	<1	6
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	<1	2	1	<1
Molybdenum	ppm	3	6	4	3
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	6	4	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	52	74	67	151
Magnesium	ppm	26	19	15	17
Zinc	ppm	46	52	47	83
Phosphorus	ppm	1119	1110	1026	980
Barium	ppm	0	0	0	0
Boron	ppm	230	223	244	223

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: 10574631
Signed: Sean Felton
Report Date: 28 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

