



CONSTRUCTION EQUIPMENT

SWO-064855 VOLVO A45G 352915 - REAR AXLE



Sample No: VCP427500
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-064855



SAMPLE INFORMATION

Sample Number	VCP427500	VCP414233	VCP397707	VCP388769
Sample Date	15 Aug 2023	26 May 2023	19 Jan 2023	28 Sep 2022
Machine Hours	2344	1912	1420	978
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
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	264.5	267	257	49.5
-------------	-----	--------------	-----	-----	------



CONTAMINATION

Silicon	ppm	4	4	4	4
Sodium	ppm	<1	<1	<1	3
Potassium	ppm	1	<1	<1	2



WEAR METALS

Iron	ppm	197	184	38	100
Copper	ppm	1	<1	<1	2
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	<1	1	<1
Chromium	ppm	4	4	<1	1
Molybdenum	ppm	9	9	6	6
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	1
Manganese	ppm	10	8	5	8
Vanadium	ppm	0	0	0	2



ADDITIVES

Calcium	ppm	188	151	139	74
Magnesium	ppm	36	34	32	0
Zinc	ppm	109	92	89	17
Phosphorus	ppm	1281	1158	1045	2687
Barium	ppm	0	0	0	0
Boron	ppm	254	202	184	295

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: 10617659
Signed: Doug Bogart
Report Date: 28 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

