



CONSTRUCTION EQUIPMENT

VOLVO A45G 352565 - BOGIE/CENTER AXLE



Sample No: VCP431038
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP431038	VCP428925	VCP416370	VCP412969
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
 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	285	298	300	297
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	4	3
Sodium	ppm	0	<1	0	<1
Potassium	ppm	<1	<1	<1	0

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.



WEAR METALS

Iron	ppm	20	51	45	33
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	<1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	9	2	2	1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	125	53	52	97
Magnesium	ppm	45	36	36	37
Zinc	ppm	108	87	84	83
Phosphorus	ppm	924	1028	1060	1044
Barium	ppm	0	0	0	0
Boron	ppm	156	166	244	187

Depot: SAIBIR
Unique No: 10789001
Signed: Don Baldrige
Report Date: 17 Dec 2023



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GRAPHS

