



CONSTRUCTION EQUIPMENT

VOLVO A45G 352565 - FRONT AXLE



Sample No: VCP431039
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP431039	VCP428927	VCP416371	VCP412951
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	296	297
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	3	2
Sodium	ppm	0	0	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	8	18	16	13
Copper	ppm	0	<1	0	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	<1	0
Chromium	ppm	0	<1	0	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	119	44	45	49
Magnesium	ppm	45	36	36	35
Zinc	ppm	107	84	81	70
Phosphorus	ppm	925	1048	1055	1051
Barium	ppm	0	0	0	0
Boron	ppm	154	177	250	189

Depot: SAIBIR
Unique No: 10788999
Signed: Don Baldrige
Report Date: 17 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

