



CONSTRUCTION EQUIPMENT

VOLVO A45G 352916 - BOGIE/CENTER AXLE



Sample No: VCP450924
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP450924	VCP441038	VCP435122	VCP405796
Sample Date	08 May 2024	26 Jan 2024	11 Oct 2023	05 Sep 2023
Machine Hours	4510	4034	3517	3285
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	258	128	129	128
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	3	3
Sodium	ppm	1	0	2	1
Potassium	ppm	2	3	<1	1

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	34	95	85	87
Copper	ppm	<1	3	2	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	2	0	0
Chromium	ppm	<1	2	2	2
Molybdenum	ppm	12	5	4	4
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	4	4	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	181	73	51	48
Magnesium	ppm	51	21	32	21
Zinc	ppm	142	87	62	71
Phosphorus	ppm	1035	1017	946	1013
Barium	ppm	0	<1	0	0
Boron	ppm	189	94	86	100

Depot: SAIBIR
Unique No: 11035999
Signed: Sean Felton
Report Date: 22 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

