



CONSTRUCTION EQUIPMENT

SWO-071952 VOLVO A45G 352969 - BOGIE/CENTER AXLE



Sample No: VCP439685
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-071952



SAMPLE INFORMATION

Sample Number	VCP439685	VCP446721	VCP414805	VCP405830
Sample Date	23 May 2024	27 Feb 2024	20 Dec 2023	19 Sep 2023
Machine Hours	3944	3453	2980	2491
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

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	51.5	50.8	50.9	50.5
-------------	-----	-------------	------	------	------



CONTAMINATION

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



WEAR METALS

Iron	ppm	209	220	189	278
Copper	ppm	3	2	0	2
Lead	ppm	0	2	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	0	2	0
Chromium	ppm	2	2	1	4
Molybdenum	ppm	9	10	3	13
Nickel	ppm	<1	<1	0	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	8	9	3	12
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	152	133	129	128
Magnesium	ppm	<1	1	0	2
Zinc	ppm	78	55	56	64
Phosphorus	ppm	2444	2338	2543	2337
Barium	ppm	<1	0	4	0
Boron	ppm	183	208	245	245

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: SAIBIR
Unique No: 11057907
Signed: Don Baldrige
Report Date: 01 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

