



CONSTRUCTION EQUIPMENT

SWO-070856 VOLVO A45G 342096 - BOGIE/CENTER AXLE



Sample No: VCP438714
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-070856



SAMPLE INFORMATION

Sample Number	VCP438714	VCP435402	VCP411890	VCP404585
Sample Date	02 Apr 2024	13 Nov 2023	22 Aug 2023	08 May 2023
Machine Hours	10079	9583	9107	8608
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	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	290	287	288	289
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	5	3
Sodium	ppm	<1	0	<1	1
Potassium	ppm	0	<1	0	<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	60	36	37	31
Copper	ppm	0	<1	0	0
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	1	3	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	2	3	1	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	53	86	90	80
Magnesium	ppm	13	19	22	22
Zinc	ppm	57	55	60	51
Phosphorus	ppm	1141	1115	1102	1084
Barium	ppm	0	0	0	0
Boron	ppm	189	186	200	156

Depot: SAIBIR
Unique No: 10965066
Signed: Don Baldrige
Report Date: 09 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

