



CONSTRUCTION EQUIPMENT

SWO-069182 VOLVO A45G 352639 - REAR AXLE



Sample No: VCP441448
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-069182



SAMPLE INFORMATION

Sample Number	VCP441448	VCP427464	VCP416414	VCP410009
Sample Date	24 Jan 2024	23 Oct 2023	07 Aug 2023	12 May 2023
Machine Hours	5434	4956	4377	3923
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	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	286	284	284	50.8
-------------	-----	------------	-----	-----	-------------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	6	6	4
Sodium	ppm	0	2	0	2
Potassium	ppm	2	2	1	4

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	92	48	50	319
Copper	ppm	0	<1	<1	3
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	1	<1	0
Chromium	ppm	1	1	<1	4
Molybdenum	ppm	1	2	2	5
Nickel	ppm	0	<1	<1	1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	3	0	0
Manganese	ppm	3	1	1	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	93	79	107	87
Magnesium	ppm	21	19	19	0
Zinc	ppm	62	59	69	45
Phosphorus	ppm	1107	975	1072	2294
Barium	ppm	0	0	2	0
Boron	ppm	219	178	214	242

Depot: SAIBIR
Unique No: 10849943
Signed: Don Baldrige
Report Date: 31 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

