



CONSTRUCTION EQUIPMENT

SWO-069432 VOLVO A45G 352565 - REAR AXLE



Sample No: VCP441232
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-069432



SAMPLE INFORMATION

Sample Number	VCP441232	VCP428939	VCP428930	VCP416722
Sample Date	06 Feb 2024	06 Dec 2023	03 Oct 2023	31 Jul 2023
Machine Hours	9060	8568	8080	7625
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	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	284	213	297	297
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	4	4
Sodium	ppm	0	0	0	0
Potassium	ppm	<1	1	<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	26	21	45	39
Copper	ppm	1	0	1	1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	1	0	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	11	9	2	2
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	149	130	77	68
Magnesium	ppm	50	43	37	36
Zinc	ppm	123	110	100	91
Phosphorus	ppm	996	1029	1068	1057
Barium	ppm	0	0	0	0
Boron	ppm	170	162	181	252

Depot: SAIBIR
Unique No: 10872540
Signed: Don Baldrige
Report Date: 12 Feb 2024



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VOLVO GRAPHS

