



CONSTRUCTION EQUIPMENT

SWO-071566 VOLVO A45G 352769 - REAR AXLE



Sample No: VCP453677
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-071566



SAMPLE INFORMATION

Sample Number	VCP453677	VCP447585	VCP433848	VCP419127
Sample Date	01 May 2024	05 Jan 2024	20 Sep 2023	21 Jun 2023
Machine Hours	5450	4942	4400	3875
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
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	307	309	302	151
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	4	8
Sodium	ppm	<1	0	0	9
Potassium	ppm	0	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	18	23	11	176
Copper	ppm	0	<1	0	2
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	2	<1	4
Chromium	ppm	0	<1	<1	3
Molybdenum	ppm	3	4	3	5
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	215	154	148	2586
Magnesium	ppm	17	20	18	31
Zinc	ppm	123	89	89	1129
Phosphorus	ppm	1055	1087	1001	1079
Barium	ppm	<1	3	0	0
Boron	ppm	171	218	172	38

Depot: SAIBIR
Unique No: 11020289
Signed: Angela Borella
Report Date: 13 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

