



CONSTRUCTION EQUIPMENT

SWO-069272 VOLVO A45G 352071 - DROP BOX



Sample No: VCP441319
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-069272



SAMPLE INFORMATION

Sample Number	VCP441319	VCP427483	VCP382591	VCP397717
Sample Date	29 Jan 2024	09 Oct 2023	12 Apr 2023	09 Dec 2022
Machine Hours	7545	7028	6049	5545
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	151	148	222	227
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	7	17	15
Sodium	ppm	0	0	2	0
Potassium	ppm	2	2	<1	0

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	103	99	202	161
Copper	ppm	2	2	4	4
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	7	7	9	7
Chromium	ppm	2	2	2	2
Molybdenum	ppm	10	10	8	6
Nickel	ppm	<1	<1	1	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	64	65	33	34
Magnesium	ppm	14	14	11	7
Zinc	ppm	51	53	43	54
Phosphorus	ppm	1071	1038	1192	1211
Barium	ppm	0	0	0	0
Boron	ppm	104	114	137	146

Depot: SAIBIR
Unique No: 10859314
Signed: Don Baldrige
Report Date: 03 Feb 2024



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GRAPHS

