



CONSTRUCTION EQUIPMENT

SWO-070936 VOLVO A45G 352708 - REAR AXLE



Sample No: VCP438688
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-070936



SAMPLE INFORMATION

Sample Number	VCP438688	VCP431077	VCP433242	VCP405239
Sample Date	04 Apr 2024	20 Nov 2023	11 Sep 2023	06 Jul 2023
Machine Hours	5405	4925	4418	3920
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	282	282	282	50.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	5	5	3
Sodium	ppm	<1	<1	<1	2
Potassium	ppm	2	<1	<1	3



WEAR METALS

Iron	ppm	42	35	26	130
Copper	ppm	4	0	0	4
Lead	ppm	<1	0	0	0
Tin	ppm	1	0	0	0
Aluminum	ppm	2	0	<1	1
Chromium	ppm	1	0	<1	2
Molybdenum	ppm	6	5	4	6
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	<1	6
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	141	87	112	156
Magnesium	ppm	23	20	26	<1
Zinc	ppm	100	68	77	58
Phosphorus	ppm	1177	1056	1141	2444
Barium	ppm	<1	0	0	0
Boron	ppm	188	181	196	225

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10968189
Signed: Jonathan Hester
Report Date: 12 Apr 2024



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GRAPHS

