



CONSTRUCTION EQUIPMENT

SWO-068625 VOLVO A45G 353090 - BOGIE/CENTER AXLE



Sample No: VCP441646
Oil Type: {unknown}
Job No: SWO-068625



SAMPLE INFORMATION

Sample Number	VCP441646	VCP432856	VCP412726	VCP395386
Sample Date	03 Jan 2024	19 Sep 2023	09 Jun 2023	23 Feb 2023
Machine Hours	2588	2023	1481	1006
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	53.3	50.1	50.5	50.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	4	6	4
Sodium	ppm	0	1	2	3
Potassium	ppm	4	3	2	3

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	218	168	247	170
Copper	ppm	4	3	3	2
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	0	<1
Chromium	ppm	2	2	4	3
Molybdenum	ppm	8	7	11	9
Nickel	ppm	1	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	8	6	8	7
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	142	133	148	136
Magnesium	ppm	1	<1	0	1
Zinc	ppm	65	66	67	65
Phosphorus	ppm	2291	2330	2523	2436
Barium	ppm	8	0	0	0
Boron	ppm	251	237	274	290

Depot: SAIBIR
Unique No: 10820301
Signed: Don Baldrige
Report Date: 10 Jan 2024



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GRAPHS

