



CONSTRUCTION EQUIPMENT

SWO-068625 VOLVO A45G 353090 - REAR AXLE



Sample No: VCP442696
Oil Type: {unknown}
Job No: SWO-068625



SAMPLE INFORMATION

Sample Number	VCP442696	VCP432854	VCP412704	VCP395402
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	53.7	51.0	57.3	51.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	7	4
Sodium	ppm	0	1	2	4
Potassium	ppm	6	5	4	5

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	175	134	258	193
Copper	ppm	2	1	1	1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	<1	0	<1
Chromium	ppm	2	2	4	3
Molybdenum	ppm	7	6	10	8
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	6	5	8	7
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	129	123	127	128
Magnesium	ppm	1	<1	<1	1
Zinc	ppm	61	60	54	61
Phosphorus	ppm	2306	2307	2514	2421
Barium	ppm	8	0	0	0
Boron	ppm	251	258	282	295

Depot: SAIBIR
Unique No: 10820299
Signed: Jonathan Hester
Report Date: 10 Jan 2024



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GRAPHS

