



CONSTRUCTION EQUIPMENT

SWO-065619 VOLVO A45G 353092 - REAR AXLE



Sample No: VCP428972
Oil Type: NOT GIVEN
Job No: SWO-065619



SAMPLE INFORMATION

Sample Number	VCP428972	VCP407516	VCP394001	VCP381247
Sample Date	19 Sep 2023	09 Jun 2023	23 Feb 2023	26 Oct 2022
Machine Hours	2012	1497	1000	571
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	51.0	51.0	51.3	51.3
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CONTAMINATION

Silicon	ppm	4	3	4	4
Sodium	ppm	2	2	7	2
Potassium	ppm	5	5	3	0



WEAR METALS

Iron	ppm	134	228	191	157
Copper	ppm	2	1	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	1	<1
Chromium	ppm	2	4	3	3
Molybdenum	ppm	7	11	10	11
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	6	8	7	8
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	153	145	109	123
Magnesium	ppm	<1	0	1	<1
Zinc	ppm	73	63	34	55
Phosphorus	ppm	2321	2512	2363	2350
Barium	ppm	0	0	0	0
Boron	ppm	259	282	233	308

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.

Depot: SAIBIR
Unique No: 10661342
Signed: Don Baldrige
Report Date: 26 Sep 2023



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GRAPHS

