



CONSTRUCTION EQUIPMENT

SWO-064939 VOLVO A45G 352973 - BOGIE/CENTER AXLE



Sample No: VCP427337
Oil Type: NOT GIVEN
Job No: SWO-064939



SAMPLE INFORMATION

Sample Number	VCP427337	VCP403944	VCP405914	VCP388376
Sample Date	24 Aug 2023	06 Jun 2023	21 Mar 2023	29 Nov 2022
Machine Hours	3044	2472	2001	1521
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	50.5	50.6	50.5	50.7
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CONTAMINATION

Silicon	ppm	5	4	2	2
Sodium	ppm	<1	3	3	2
Potassium	ppm	4	4	1	2



WEAR METALS

Iron	ppm	247	261	75	44
Copper	ppm	3	1	1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	3	4	<1	<1
Molybdenum	ppm	8	8	5	5
Nickel	ppm	1	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	12	11	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	135	154	132	157
Magnesium	ppm	0	<1	1	2
Zinc	ppm	67	64	56	73
Phosphorus	ppm	2278	2513	2472	2546
Barium	ppm	0	0	0	0
Boron	ppm	170	227	279	274

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: 10630547
Signed: Don Baldrige
Report Date: 05 Sep 2023



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VOLVO GRAPHS

