



CONSTRUCTION EQUIPMENT

SWO-064939 VOLVO A45G 352973 - FRONT AXLE



Sample No: VCP427432
Oil Type: NOT GIVEN
Job No: SWO-064939



SAMPLE INFORMATION

Sample Number	VCP427432	VCP405907	VCP405250	VCP388380
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

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OIL CONDITION

Visc @ 40°C	cSt	50.8	50.9	50.8	50.9
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CONTAMINATION

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



WEAR METALS

Iron	ppm	327	325	125	55
Copper	ppm	1	0	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	4	5	2	<1
Molybdenum	ppm	9	9	6	5
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	9	9	5	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	123	127	127	135
Magnesium	ppm	0	0	1	2
Zinc	ppm	58	46	58	74
Phosphorus	ppm	2244	2528	2440	2552
Barium	ppm	0	0	0	0
Boron	ppm	217	224	251	266

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: 10630546
Signed: Don Baldrige
Report Date: 05 Sep 2023



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GRAPHS

