



CONSTRUCTION EQUIPMENT

SWO-071569 VOLVO A45G 353090 - BOGIE/CENTER AXLE



Sample No: VCP453727
Oil Type: {unknown}
Job No: SWO-071569



SAMPLE INFORMATION

Sample Number	VCP453727	VCP441646	VCP432856	VCP412726
Sample Date	02 May 2024	03 Jan 2024	19 Sep 2023	09 Jun 2023
Machine Hours	3089	2588	2023	1481
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	53.3	50.1	50.5
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CONTAMINATION

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

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	239	218	168	247
Copper	ppm	4	4	3	3
Lead	ppm	1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	2	<1	0
Chromium	ppm	3	2	2	4
Molybdenum	ppm	9	8	7	11
Nickel	ppm	<1	1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	8	8	6	8
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	209	142	133	148
Magnesium	ppm	1	1	<1	0
Zinc	ppm	100	65	66	67
Phosphorus	ppm	2568	2291	2330	2523
Barium	ppm	<1	8	0	0
Boron	ppm	221	251	237	274

Depot: SAIBIR
Unique No: 11020306
Signed: Angela Borella
Report Date: 13 May 2024



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VOLVO GRAPHS

