



CONSTRUCTION EQUIPMENT

SWO-068628 VOLVO A45G 353092 - REAR AXLE



Sample No: VCP443290
Oil Type: {unknown}
Job No: SWO-068628



SAMPLE INFORMATION

Sample Number	VCP443290	VCP428972	VCP407516	VCP394001
Sample Date	03 Jan 2024	19 Sep 2023	09 Jun 2023	23 Feb 2023
Machine Hours	2545	2012	1497	1000
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	50.6	51.0	51.0	51.3
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CONTAMINATION

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

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	169	134	228	191
Copper	ppm	2	2	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	9	7	11	10
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	7	6	8	7
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	155	153	145	109
Magnesium	ppm	1	<1	0	1
Zinc	ppm	70	73	63	34
Phosphorus	ppm	2331	2321	2512	2363
Barium	ppm	8	0	0	0
Boron	ppm	268	259	282	233

Depot: SAIBIR
Unique No: 10820297
Signed: Jonathan Hester
Report Date: 10 Jan 2024



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GRAPHS

