



CONSTRUCTION EQUIPMENT

SWO-066004 VOLVO A45G 353090 - REAR AXLE



Sample No: VCP432854
Oil Type: NOT GIVEN
Job No: SWO-066004



SAMPLE INFORMATION

Sample Number	VCP432854	VCP412704	VCP395402	VCP384159
Sample Date	19 Sep 2023	09 Jun 2023	23 Feb 2023	17 Oct 2022
Machine Hours	2023	1481	1006	502
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	51.0	57.3	51.0	51.5
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CONTAMINATION

Silicon	ppm	3	7	4	4
Sodium	ppm	1	2	4	1
Potassium	ppm	5	4	5	3



WEAR METALS

Iron	ppm	134	258	193	179
Copper	ppm	1	1	1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	2	4	3	2
Molybdenum	ppm	6	10	8	8
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	5	8	7	8
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	123	127	128	114
Magnesium	ppm	<1	<1	1	0
Zinc	ppm	60	54	61	49
Phosphorus	ppm	2307	2514	2421	2250
Barium	ppm	0	0	0	0
Boron	ppm	258	282	295	278

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: 10661349
Signed: Don Baldrige
Report Date: 26 Sep 2023



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GRAPHS

