



CONSTRUCTION EQUIPMENT

SWO-065663 VOLVO A45G 353090 - FRONT AXLE



Sample No: VCP432851
Oil Type: NOT GIVEN
Job No: SWO-065663



SAMPLE INFORMATION

Sample Number	VCP432851	VCP407513	VCP395397	VCP384141
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 Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
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US 35207

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OIL CONDITION

Visc @ 40°C	cSt	50.3	50.5	51.0	51.1
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CONTAMINATION

Silicon	ppm	7	9	8	10
Sodium	ppm	2	2	3	1
Potassium	ppm	4	4	4	4



WEAR METALS

Iron	ppm	149	320	225	233
Copper	ppm	2	2	2	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	2	0
Chromium	ppm	2	5	3	2
Molybdenum	ppm	5	9	7	8
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	5	9	7	10
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	122	127	136	115
Magnesium	ppm	<1	<1	2	0
Zinc	ppm	59	55	67	49
Phosphorus	ppm	2318	2519	2396	2250
Barium	ppm	0	0	0	0
Boron	ppm	222	254	267	272

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: 10661351
Signed: Don Baldrige
Report Date: 26 Sep 2023



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GRAPHS

