



CONSTRUCTION EQUIPMENT

VOLVO A45G 352973 - REAR AXLE



Sample No: VCP435405

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP435405	VCP427340	VCP403943	VCP405920
Sample Date	08 Nov 2023	24 Aug 2023	06 Jun 2023	21 Mar 2023
Machine Hours	3521	3044	2472	2001
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	52.0	51.6	51.2	52.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	3	2
Sodium	ppm	3	<1	2	5
Potassium	ppm	4	4	4	2



WEAR METALS

Iron	ppm	144	226	251	78
Copper	ppm	4	2	0	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	2	3	4	<1
Molybdenum	ppm	5	9	10	6
Nickel	ppm	<1	<1	1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	11	13	12	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	162	133	129	124
Magnesium	ppm	<1	0	0	<1
Zinc	ppm	75	65	48	57
Phosphorus	ppm	2331	2259	2496	2489
Barium	ppm	0	0	0	0
Boron	ppm	207	234	237	282

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: 10750862

Signed: Angela Borella

Report Date: 21 Nov 2023



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GRAPHS

