



CONSTRUCTION EQUIPMENT

SWA307696-10 VOLVO A40G 342584 - REAR AXLE



Sample No: VCP419153
Oil Type: VOLVO WB 102
Job No: SWA307696-10



SAMPLE INFORMATION

Sample Number	VCP419153	VCP346907	VCP316697	VCP323592
Sample Date	19 Aug 2023	17 Mar 2022	17 Dec 2021	03 Sep 2021
Machine Hours	8359	5285	4805	4228
Oil Hours	0	1000	500	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

THALLE INDUSTRIES

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OIL CONDITION

Visc @ 40°C	cSt	54.3	54.4	53.0	148
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CONTAMINATION

Silicon	ppm	1	2	3	0
Sodium	ppm	2	0	3	<1
Potassium	ppm	<1	2	0	0



WEAR METALS

Iron	ppm	33	68	14	39
Copper	ppm	<1	<1	2	<1
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	0	0	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	9
Manganese	ppm	1	<1	<1	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	45	52	132	6
Magnesium	ppm	0	0	<1	<1
Zinc	ppm	18	16	38	4
Phosphorus	ppm	2440	2790	2331	1008
Barium	ppm	0	0	0	0
Boron	ppm	314	350	305	193

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: THAFIS
Unique No: 10617663
Signed: Jonathan Hester
Report Date: 25 Aug 2023



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GRAPHS

