



CONSTRUCTION EQUIPMENT

607956 ASH GROVE VOLVO A40G 352940 - REAR AXLE



Sample No: VCP440292
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 607956 ASH GROVE



SAMPLE INFORMATION

Sample Number	VCP440292	VCP411664	VCP385900	VCP382998
Sample Date	26 Sep 2023	30 May 2023	20 Dec 2022	02 Nov 2022
Machine Hours	6962	5463	3441	3014
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	303	286	282	282
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CONTAMINATION

Silicon	ppm	2	7	5	3
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	<1	<1	2	0

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. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	21	112	69	68
Copper	ppm	<1	1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	3	3	<1
Chromium	ppm	<1	1	1	<1
Molybdenum	ppm	2	5	4	5
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	4	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	76	132	108	79
Magnesium	ppm	13	17	19	15
Zinc	ppm	37	29	59	46
Phosphorus	ppm	1044	994	962	990
Barium	ppm	0	0	0	0
Boron	ppm	217	200	179	201

Depot: VOLVO0096
Unique No: 10672303
Signed: Don Baldrige
Report Date: 03 Oct 2023



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GRAPHS

