



CONSTRUCTION EQUIPMENT

590794 ASH GROVE VOLVO A40G 352940 - FRONT AXLE



Sample No: VCP447272
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 590794 ASH GROVE



SAMPLE INFORMATION

Sample Number	VCP447272	VCP440291	VCP411658	VCP353584
Sample Date	19 Jun 2024	26 Sep 2023	30 May 2023	20 Dec 2022
Machine Hours	9067	6962	5463	3441
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	311	301	283	282
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	2	2
Sodium	ppm	0	0	<1	<1
Potassium	ppm	2	<1	<1	1

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.



WEAR METALS

Iron	ppm	32	22	97	57
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	0	0	<1
Chromium	ppm	<1	<1	1	1
Molybdenum	ppm	2	2	5	5
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	4
Manganese	ppm	1	<1	4	4
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	36	93	52	48
Magnesium	ppm	10	13	16	19
Zinc	ppm	25	46	28	58
Phosphorus	ppm	1082	1046	969	993
Barium	ppm	<1	0	0	0
Boron	ppm	188	214	191	182

Depot: VOLVO0096
Unique No: 11096780
Signed: Wes Davis
Report Date: 25 Jun 2024



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VOLVO GRAPHS

