



CONSTRUCTION EQUIPMENT

590811 ASH GROVE VOLVO A40G 353375 - REAR AXLE



Sample No: VCP447368
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 590811 ASH GROVE



SAMPLE INFORMATION

Sample Number	VCP447368	VCP449545	VCP432673	VCP417669
Sample Date	19 Jun 2024	18 Apr 2024	07 Sep 2023	14 Jul 2023
Machine Hours	4960	4458	2328	1524
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	307	291	286	52.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	3	6
Sodium	ppm	<1	0	<1	4
Potassium	ppm	1	<1	2	8

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	72	54	378
Copper	ppm	<1	2	0	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	0	0	<1
Chromium	ppm	<1	<1	<1	6
Molybdenum	ppm	1	2	3	11
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	2	13
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	119	106	74	9
Magnesium	ppm	11	14	17	0
Zinc	ppm	58	54	41	0
Phosphorus	ppm	1111	1115	1075	2710
Barium	ppm	0	0	0	0
Boron	ppm	193	196	208	337

Depot: VOLVO0096
Unique No: 11100806
Signed: Wes Davis
Report Date: 28 Jun 2024



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GRAPHS

