



CONSTRUCTION EQUIPMENT

590811 ASH GROVE VOLVO A40G 353375 - FRONT AXLE



Sample No: VCP431324
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 590811 ASH GROVE



SAMPLE INFORMATION

Sample Number	VCP431324	VCP449542	VCP412078	VCP417714
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 Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
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OIL CONDITION

Visc @ 40°C	cSt	317	286	289	52.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	3	4	6
Sodium	ppm	0	0	<1	4
Potassium	ppm	<1	0	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	14	94	72	472
Copper	ppm	<1	<1	0	2
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	0	0	<1
Chromium	ppm	<1	1	<1	7
Molybdenum	ppm	1	2	3	7
Nickel	ppm	0	0	0	1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	3	2	14
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	32	71	79	60
Magnesium	ppm	12	16	16	0
Zinc	ppm	23	41	41	34
Phosphorus	ppm	1023	1141	1090	2632
Barium	ppm	0	0	0	0
Boron	ppm	188	195	207	321

Depot: VOLVO0096
Unique No: 11100807
Signed: Wes Davis
Report Date: 28 Jun 2024



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GRAPHS

