



CONSTRUCTION EQUIPMENT

W07013270 VOLVO A45G 342200 - TRANSMISSION (AUTO)



Sample No: VCP418315

Oil Type: MOBIL ATF

Job No: W07013270



SAMPLE INFORMATION

Sample Number	VCP418315	VCP401332	VCP318969	VCP225287
Sample Date	17 Aug 2023	12 Jan 2023	16 Jul 2021	06 Feb 2019
Machine Hours	9068	8032	5985	1953
Oil Hours	1000	0	0	0
Oil Changed	Not Changed	N/A	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL



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OIL CONDITION

Visc @ 40°C	cSt	28.2	21.7	26.5	26.6
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CONTAMINATION

Silicon	ppm	8	6	7	14
Sodium	ppm	<1	<1	5	6
Potassium	ppm	2	2	1	<1



WEAR METALS

Iron	ppm	23	43	41	47
Copper	ppm	55	119	100	24
Lead	ppm	0	0	0	0
Tin	ppm	6	12	10	2
Aluminum	ppm	14	21	13	19
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	9	17	16	2
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	103	143	109	80
Magnesium	ppm	2	1	<1	2
Zinc	ppm	13	32	0	6
Phosphorus	ppm	206	198	158	143
Barium	ppm	0	0	0	<1
Boron	ppm	107	86	66	57

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO8882
Unique No: 10617058
Signed: Don Baldrige
Report Date: 24 Aug 2023



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VOLVO GRAPHS

