



CONSTRUCTION EQUIPMENT

579198 APTIM VOLVO A35G 340109 - TRANSMISSION (AUTO)



Sample No: VCP424432
Oil Type: VOLVO AT 102
Job No: 579198 APTIM



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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US 33619
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SAMPLE INFORMATION

Sample Number	VCP424432	VCP423607	---	---
Sample Date	11 Jul 2023	16 Mar 2023	---	---
Machine Hours	8937	8480	---	---
Oil Hours	2000	1000	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 30.9	█ 28.1	---	---
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CONTAMINATION

Silicon	ppm	█ 5	█ 5	---	---
Sodium	ppm	█ 5	█ 4	---	---
Potassium	ppm	█ <1	█ <1	---	---



WEAR METALS

Iron	ppm	█ 45	█ 41	---	---
Copper	ppm	█ 126	█ 139	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 5	█ 5	---	---
Aluminum	ppm	▲ 30	▲ 27	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 5	█ 6	---	---
Nickel	ppm	█ 6	█ 7	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 2	█ 2	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 174	█ 183	---	---
Magnesium	ppm	█ 12	█ 16	---	---
Zinc	ppm	█ 79	█ 91	---	---
Phosphorus	ppm	█ 217	█ 230	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 51	█ 51	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The aluminum level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10564902
Signed: Sean Felton
Report Date: 24 Jul 2023



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GRAPHS

