



CONSTRUCTION EQUIPMENT

W07013015 CHESTERFLD VOLVO L90H 625196 - TRANSMISSION (AUTO)



Sample No: VCP418124
Oil Type: VOLVO AT 102
Job No: W07013015 CHESTERFLD



SAMPLE INFORMATION

Sample Number	VCP418124	VCP405379	VCP349740	---
Sample Date	14 Jul 2023	02 Jun 2023	22 Apr 2022	---
Machine Hours	6338	6175	4191	---
Oil Hours	0	2000	0	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	SEVERE	ABNORMAL	ABNORMAL	---

McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
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OIL CONDITION

Visc @ 40°C	cSt	27.9	27.9	26.1	---
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CONTAMINATION

Silicon	ppm	▲ 21	19	7	---
Sodium	ppm	■ 8	4	9	---
Potassium	ppm	■ 3	2	0	---

Diagnosis

TRANSMISSION FAILURE. The iron level is abnormal. The aluminum level is severe. Bearing, clutch or torque converter wear is indicated. Elemental level of silicon (Si) above normal.



WEAR METALS

Iron	ppm	▲ 197	156	271	---
Copper	ppm	■ 20	19	44	---
Lead	ppm	■ <1	<1	0	---
Tin	ppm	■ <1	0	0	---
Aluminum	ppm	● 94	83	8	---
Chromium	ppm	■ <1	<1	0	---
Molybdenum	ppm	■ <1	<1	0	---
Nickel	ppm	■ <1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	■ 0	0	0	---
Manganese	ppm	■ 6	4	7	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 89	84	112	---
Magnesium	ppm	■ 0	3	2	---
Zinc	ppm	■ 104	104	97	---
Phosphorus	ppm	■ 231	207	199	---
Barium	ppm	■ 0	2	0	---
Boron	ppm	■ 52	43	22	---

Depot: VOLVO8882
Unique No: 10564028
Signed: Don Baldrige
Report Date: 21 Jul 2023



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GRAPHS

