



CONSTRUCTION EQUIPMENT

SWI026357 VOLVO L90H 625554 - TRANSMISSION (AUTO)



Sample No: VCP441004
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SWI026357



SAMPLE INFORMATION

Sample Number	VCP441004	VCP406623	---	---
Sample Date	14 Nov 2023	23 Mar 2023	---	---
Machine Hours	7077	6617	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

ARNOLD MACHINERY COMPANY
 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
 Contact: RANDY PRZEKURAT
 randyp@arnoldmachinery.com
 T:
 F: (602)414-1904



OIL CONDITION

Visc @ 40°C	cSt	29.3	27.3	---	---
-------------	-----	-------------	------	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 23	9	---	---
Sodium	ppm	0	5	---	---
Potassium	ppm	2	4	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	21	126	---	---
Copper	ppm	2	6	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	15	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	78	100	---	---
Magnesium	ppm	2	9	---	---
Zinc	ppm	18	26	---	---
Phosphorus	ppm	210	203	---	---
Barium	ppm	0	0	---	---
Boron	ppm	93	60	---	---

Depot: VOLVO6174
Unique No: 10754680
Signed: Sean Felton
Report Date: 27 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

