CONSTRUCTION EQUIPMENT
687813   VOLVO A30G 752847 - TRANSMISSION (AUTO)

Sample No: VCP447397

Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102

Job No: 687813

SAMPLE INFORMATION

Sample Number		**VCP447397**	VCP407858	VCP392540	VCP385146
Sample Date		**16 Mar 2024**	09 Jun 2023	15 Mar 2023	15 Nov 2022
Machine Hours		**3292**	0	1063	484
Oil Hours		**1000**	0	1063	500
Oil Changed		**Not Changd**	Not Changd	Not Changd	Not Changd
Sample Status		**SEVERE**	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	**34.2**	30.0	29.3	29.3

CONTAMINATION

Water	%	▲ **4.46**	NEG	NEG	NEG
Silicon	ppm	**24**	15	21	18
Sodium	ppm	▲ **62**	4	4	<1
Potassium	ppm	▲ **324**	<1	2	4

WEAR METALS

Iron	ppm	▲ **185**	41	40	25
Copper	ppm	**25**	14	17	12
Lead	ppm	**1**	0	0	<1
Tin	ppm	**9**	4	4	2
Aluminum	ppm	**44**	22	19	11
Chromium	ppm	**2**	<1	0	0
Molybdenum	ppm	**35**	0	0	0
Nickel	ppm	▲ **18**	<1	<1	0
Titanium	ppm	**<1**	0	0	0
Silver	ppm	**0**	0	0	0
Manganese	ppm	**9**	2	5	3
Vanadium	ppm	**<1**	0	0	0

ADDITIVES

Calcium	ppm	**81**	65	75	73
Magnesium	ppm	**11**	0	3	<1
Zinc	ppm	**441**	0	0	5
Phosphorus	ppm	**204**	191	198	184
Barium	ppm	**0**	0	0	3
Boron	ppm	**144**	78	80	80

RIPA AND ASSOCIATES
10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:

Diagnosis

We advise that you check for the source of the coolant leak. We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition.The iron level is abnormal. The nickel level is abnormal. Sodium and/or potassium levels are high. Test for glycol is positive. There is a very high concentration of water present in the fluid. There is a high concentration of glycol present in the fluid. The fluid is no longer serviceable due to the presence of contaminants.

Depot:	RIPTAM
Unique No:	11019088
Signed:	Don Baldridge
Report Date:	11 May 2024

GRAPHS

▲ Iron (ppm)

Lead (ppm)

Aluminum (ppm)

Chromium (ppm)

Copper (ppm)

Silicon (ppm)

Viscosity @ 40°C

▲ Water