



CONSTRUCTION EQUIPMENT

RA47 VOLVO A40G 352354 - TRANSMISSION (AUTO)



Sample No: VCP435132
Oil Type: VOLVO AT 102
Job No: RA47



SAMPLE INFORMATION

Sample Number	VCP435132	VCP374230	VCP320332	VCP317468
Sample Date	16 Nov 2023	13 May 2022	02 Feb 2022	27 Aug 2021
Machine Hours	5488	2872	2226	1496
Oil Hours	500	500	1000	500
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	28.6	28.9	28.6	23.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	4	6	6
Sodium	ppm	3	<1	3	3
Potassium	ppm	0	2	0	4

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	22	19	25	11
Copper	ppm	46	47	63	34
Lead	ppm	<1	0	0	1
Tin	ppm	6	6	8	0
Aluminum	ppm	19	10	13	7
Chromium	ppm	0	0	0	0
Molybdenum	ppm	2	7	7	6
Nickel	ppm	7	4	11	6
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	80	157	164	154
Magnesium	ppm	3	34	43	38
Zinc	ppm	16	60	64	63
Phosphorus	ppm	190	222	246	224
Barium	ppm	0	0	0	0
Boron	ppm	81	92	72	82

Depot: VOLVO0080
Unique No: 10753523
Signed: Don Baldrige
Report Date: 24 Nov 2023



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GRAPHS

