



CONSTRUCTION EQUIPMENT

2023-1011382 VOLVO A45G 79 (S/N 342558) - TRANSMISSION (AUTO)



Sample No: VCP405327
Oil Type: VOLVO AT 102
Job No: 2023-1011382



SAMPLE INFORMATION

Sample Number	VCP405327	VCP396277	VCP325082	---
Sample Date	01 Oct 2023	04 Feb 2023	03 Aug 2021	---
Machine Hours	12523	10737	7401	---
Oil Hours	500	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	27.9	28.3	26.1	---
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CONTAMINATION

Silicon	ppm	6	6	10	---
Sodium	ppm	2	3	10	---
Potassium	ppm	2	3	3	---



WEAR METALS

Iron	ppm	34	20	122	---
Copper	ppm	11	8	68	---
Lead	ppm	0	0	0	---
Tin	ppm	1	<1	7	---
Aluminum	ppm	11	6	36	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	<1	3	---
Nickel	ppm	<1	<1	8	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	76	72	161	---
Magnesium	ppm	0	2	30	---
Zinc	ppm	0	3	62	---
Phosphorus	ppm	180	188	204	---
Barium	ppm	0	0	0	---
Boron	ppm	88	91	68	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: JMHMAR
Unique No: 10737641
Signed: Sean Felton
Report Date: 14 Nov 2023



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GRAPHS

