



CONSTRUCTION EQUIPMENT

A12267 VOLVO L110H 632441 - TRANSMISSION (AUTO)



Sample No: VCP407246
Oil Type: MOBIL AT 102
Job No: A12267



SAMPLE INFORMATION

Sample Number	VCP407246	VCP430833	VCP361951	---
Sample Date	05 Mar 2024	02 Oct 2023	05 Apr 2023	---
Machine Hours	3590	2450	1280	---
Oil Hours	3590	2450	1280	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

HMR ASSOCIATES
 PO BOX 485
 TOUGHKENAMON, PA
 US 19374
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	27.7	27.4	28.3	---
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T:
 F: (610)268-2225



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	10	10	6	---
Sodium	ppm	3	3	2	---
Potassium	ppm	2	2	1	---

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



WEAR METALS

Iron	ppm	67	63	47	---
Copper	ppm	9	7	3	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	3	0	<1	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	6	6	5	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	83	70	65	---
Magnesium	ppm	2	2	0	---
Zinc	ppm	21	21	9	---
Phosphorus	ppm	171	184	186	---
Barium	ppm	<1	3	0	---
Boron	ppm	65	67	65	---

Depot: HMRTOU
Unique No: 10938266
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

