



CONSTRUCTION EQUIPMENT

A12263 VOLVO L110H 632378 - TRANSMISSION (AUTO)



Sample No: VCP446018
Oil Type: MOBIL AT 102
Job No: A12263



SAMPLE INFORMATION

Sample Number	VCP446018	VCP414305	VCP378621	---
Sample Date	05 Mar 2024	31 Jul 2023	17 Jan 2023	---
Machine Hours	2555	1895	955	---
Oil Hours	2555	1895	955	---
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	31.8	28.3	28.4	---
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T:
 F: (610)268-2225



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	11	10	11	---
Sodium	ppm	3	4	4	---
Potassium	ppm	2	0	0	---

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	61	57	50	---
Copper	ppm	11	9	8	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	4	3	2	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	1	<1	<1	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	5	5	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	96	91	87	---
Magnesium	ppm	4	0	5	---
Zinc	ppm	29	23	46	---
Phosphorus	ppm	175	206	248	---
Barium	ppm	4	0	17	---
Boron	ppm	65	79	77	---

Depot: HMRTOU
Unique No: 10938262
Signed: Wes Davis
Report Date: 21 Mar 2024



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GRAPHS

