



CONSTRUCTION EQUIPMENT

A12262 VOLVO L110H 632316 - TRANSMISSION (AUTO)



Sample No: VCP446068
Oil Type: MOBIL AT 102
Job No: A12262



SAMPLE INFORMATION

Sample Number	VCP446068	VCP412841	VCP409808	VCP365692
Sample Date	15 Mar 2024	04 Oct 2023	05 Apr 2023	02 Nov 2022
Machine Hours	4670	3650	2645	1270
Oil Hours	4000	3500	2645	1270
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	26.52	26.8	27.6	28.2
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T:
 F: (610)268-2225



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	10	10	7	9
Sodium	ppm	3	3	2	0
Potassium	ppm	2	<1	<1	2

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	65	57	37	45
Copper	ppm	14	12	6	9
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	8	2	3	3
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	2	1	<1	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	3	3	4
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	137	107	97	91
Magnesium	ppm	13	13	4	2
Zinc	ppm	41	34	20	18
Phosphorus	ppm	183	194	194	196
Barium	ppm	2	5	0	0
Boron	ppm	52	54	52	70

Depot: HMRTOU
Unique No: 10938261
Signed: Wes Davis
Report Date: 27 Mar 2024



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GRAPHS

