



CONSTRUCTION EQUIPMENT

VOLVO L110H 631231 - TRANSMISSION (AUTO)



Sample No: VCP440128

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No:



SAMPLE INFORMATION

Sample Number	VCP440128	VCP432097	VCP393581	VCP399408
Sample Date	20 Feb 2024	08 Nov 2023	28 Apr 2023	03 Jan 2023
Machine Hours	12527	12029	10851	10292
Oil Hours	0	0	2800	500
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	33.0	31.3	28.6	29.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	5	4	3
Sodium	ppm	3	2	0	2
Potassium	ppm	<1	2	1	<1

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Moderate concentration of visible metal present. 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	29	29	18	4
Copper	ppm	28	7	2	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	7	9	8	1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	7	7	2	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	349	293	131	65
Magnesium	ppm	61	54	17	2
Zinc	ppm	195	152	46	0
Phosphorus	ppm	319	298	211	201
Barium	ppm	<1	0	0	0
Boron	ppm	73	86	96	89

Depot: RIPTAM
Unique No: 10900853
Signed: Don Baldrige
Report Date: 29 Feb 2024



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VOLVO GRAPHS

