



CONSTRUCTION EQUIPMENT

VOLVO L110H 631237 - TRANSMISSION (AUTO)



Sample No: VCP441514

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No:



SAMPLE INFORMATION

Sample Number	VCP441514	VCP414633	VCP386078	VCP354098
Sample Date	27 Feb 2024	06 Sep 2023	02 Nov 2022	17 Jun 2022
Machine Hours	9786	0	8131	7658
Oil Hours	0	0	4000	1500
Oil Changed	N/A	Not Changd	Changed	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE

TAMPA, FL

US 33619

Contact: ROBERT TURNER

rturner@ripatampa.com

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OIL CONDITION

Visc @ 40°C	cSt	28.8	29.4	28.0	26.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	4	6	5
Sodium	ppm	6	1	2	2
Potassium	ppm	2	2	0	0



WEAR METALS

Iron	ppm	18	18	72	68
Copper	ppm	10	3	7	6
Lead	ppm	2	0	0	0
Tin	ppm	2	0	0	<1
Aluminum	ppm	12	7	14	14
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	130	377	80	78
Magnesium	ppm	0	10	<1	<1
Zinc	ppm	34	109	0	10
Phosphorus	ppm	207	265	162	143
Barium	ppm	0	0	0	0
Boron	ppm	85	87	61	62

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 fluid viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type.

Depot: RIPTAM

Unique No: 10900858

Signed: Don Baldrige

Report Date: 29 Feb 2024



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GRAPHS

