

## CONSTRUCTION EQUIPMENT VOLVO L110H 631231 - FRONT AXLE



Sample No: VCP440168

Job No:

Magnesium

Phosphorus

Zinc

Barium

Boron

ppm

ppm

ppm

ppm

ppm

	E INFORMATION				
Sample Number	<u>.</u>	VCP440168	VCP432009	VCP435650	VCP420256
Sample Date		20 Feb 2024	20 Feb 2024	08 Nov 2023	28 Apr 2023
Machine Hours		12527	12827	12029	10851
Oil Hours		0	0	0	2000
Oil Changed		Changed	N/A	Not Changd	Changed
Sample Status		ABNORMAL	NORMAL	NORMAL	NORMAL
OIL CON	DITION				
Visc @ 40°C	cSt	43.8	41.5	43.08	43.5
		—	_	_	_
	MINATION				
	-		NEC	NEC	NEC
Water	%	▲ 0.344	NEG	NEG	NEG
Silicon	ppm	▲ 117	14	12	17
Sodium	ppm	2	1	3	5
Potassium	ppm	■ <1	<b></b> <1	0	2
VOLVO					
VEAR N	METALS				
Iron	ppm	<u> </u>	57	24	125
Copper	ppm	<b>■</b> <1	0	<b></b> <1	0
Lead	ppm	2	2	0	0
Tin	ppm		<b></b> <1	0	0
Aluminum	ppm	5	<b></b> < 1	<1	2
Chromium	ppm	3	0	0	2
Molybdenum	ppm	2	<b></b> < 1	<b></b> <1	2
Nickel	ppm	2	0	0	1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	<b></b> < 1	<b></b> <1	4
Vanadium	ppm	0	0	0	0
	VES				
Calcium	ppm	<b>4002</b>	4622	4060	4103

25

1972

1558

0

137

11	3. Ann 1
3.007	
ANALY AND A	
and the second s	1
and the second	

## **RIPA AND ASSOCIATES**

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

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. NOTE: one of two samples received with same ID and sampling date.Gear wear is indicated. There is a light concentration of water present in the oil. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

Depot:	RIPTAM	
Unique No:	10900830	
Signed:	Don Baldridge	
Report Date:	29 Feb 2024	

14

1629

1280

0

141

21

1550

1246

0

132

**17** 

1539

1316

0 🔲

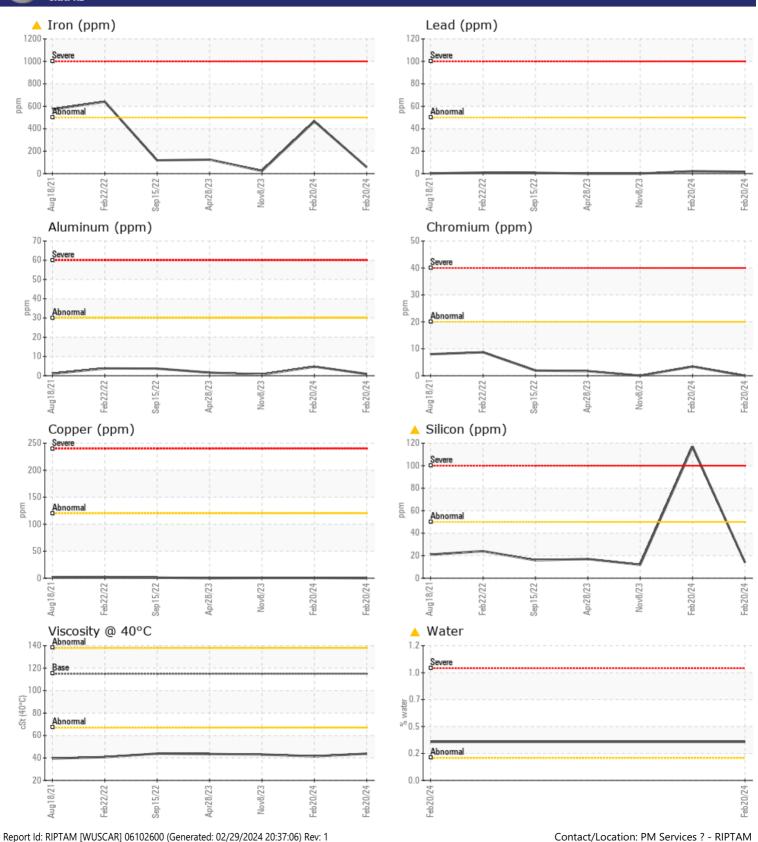
128

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: PM Services ? - RIPTAM