



# CONSTRUCTION EQUIPMENT

SWO-068735 VOLVO L120H 632828 - FRONT AXLE



**Sample No:** VCP414813  
**Oil Type:** TDH FLUID SAE 75W80  
**Job No:** SWO-068735



## SAMPLE INFORMATION

Sample Number	<b>VCP414813</b>	VCP434025	VCP413258	VCP395244
Sample Date	<b>05 Jan 2024</b>	04 Oct 2023	30 May 2023	20 Feb 2023
Machine Hours	<b>4372</b>	3901	3418	2946
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

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## OIL CONDITION

Visc @ 40°C	cSt	<b>54.0</b>	52.1	50.5	51.2
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>19</b>	14	14	15
Sodium	ppm	<b>0</b>	8	8	7
Potassium	ppm	<b>2</b>	0	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 oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>92</b>	128	133	113
Copper	ppm	<b>7</b>	17	13	11
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>2</b>	1	2	<1
Chromium	ppm	<b>2</b>	2	2	2
Molybdenum	ppm	<b>5</b>	3	5	4
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>4</b>	4	4	5
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3635</b>	3176	3405	3080
Magnesium	ppm	<b>51</b>	44	42	46
Zinc	ppm	<b>1475</b>	1337	1381	1213
Phosphorus	ppm	<b>1207</b>	1139	1136	1028
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>142</b>	104	113	124

**Depot:** SAIBIR  
**Unique No:** 10831009  
**Signed:** Jonathan Hester  
**Report Date:** 16 Jan 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

