



# CONSTRUCTION EQUIPMENT

SWO-071203 VOLVO L120H 632828 - REAR AXLE



**Sample No:** VCP455433  
**Oil Type:** TDH FLUID SAE 75W80  
**Job No:** SWO-071203



## SAMPLE INFORMATION

Sample Number	<b>VCP455433</b>	VCP435530	VCP434039	VCP412970
Sample Date	<b>16 Apr 2024</b>	05 Jan 2024	04 Oct 2023	30 May 2023
Machine Hours	<b>4868</b>	4372	3901	3418
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

### SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207

Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



## OIL CONDITION

Visc @ 40°C	cSt	<b>54.5</b>	56.4	51.6	54.9
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	19	16	19
Sodium	ppm	<b>2</b>	0	8	9
Potassium	ppm	<b>0</b>	2	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 fluid. The condition of the fluid is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>91</b>	104	169	161
Copper	ppm	<b>2</b>	3	8	7
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	2	<1	3
Chromium	ppm	<b>2</b>	2	3	3
Molybdenum	ppm	<b>3</b>	5	5	6
Nickel	ppm	<b>0</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>4</b>	5	7	7
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3156</b>	3711	3272	3526
Magnesium	ppm	<b>45</b>	52	40	39
Zinc	ppm	<b>1212</b>	1510	1363	1411
Phosphorus	ppm	<b>923</b>	1200	1177	1162
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>107</b>	146	108	114

**Depot:** SAIBIR  
**Unique No:** 10991806  
**Signed:** Don Baldrige  
**Report Date:** 24 Apr 2024



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## GRAPHS

