



# CONSTRUCTION EQUIPMENT

W07013955-1 STANLEY VOLVO A35G 3420Z1 - DROP BOX



**Sample No:** VCP447971  
**Oil Type:** GEAR OIL SAE 75W80  
**Job No:** W07013955-1 STANLEY



## SAMPLE INFORMATION

Sample Number	<b>VCP447971</b>	VCP414584	VCP391474	VCP358974
Sample Date	<b>19 Dec 2023</b>	10 Oct 2023	23 May 2023	27 Mar 2023
Machine Hours	<b>8036</b>	7675	7314	7211
Oil Hours	<b>0</b>	500	100	0
Oil Changed	<b>Changed</b>	Changed	Not Changd	N/A
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	ABNORMAL

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>52.2</b>	52.1	51.6	47.9
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>7</b>	26	32	93
Sodium	ppm	<b>1</b>	1	4	9
Potassium	ppm	<b>0</b>	2	<1	2

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	<b>23</b>	54	119	656
Copper	ppm	<b>&lt;1</b>	1	<1	3
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	2	2	18
Chromium	ppm	<b>0</b>	<1	2	6
Molybdenum	ppm	<b>&lt;1</b>	3	4	17
Nickel	ppm	<b>0</b>	<1	<1	3
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	1	9
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>7</b>	9	13	18
Magnesium	ppm	<b>0</b>	2	0	5
Zinc	ppm	<b>12</b>	23	11	86
Phosphorus	ppm	<b>2590</b>	2526	2402	2130
Barium	ppm	<b>0</b>	9	0	0
Boron	ppm	<b>275</b>	272	264	165

**Depot:** VOLVO8882  
**Unique No:** 10804164  
**Signed:** Jonathan Hester  
**Report Date:** 27 Dec 2023

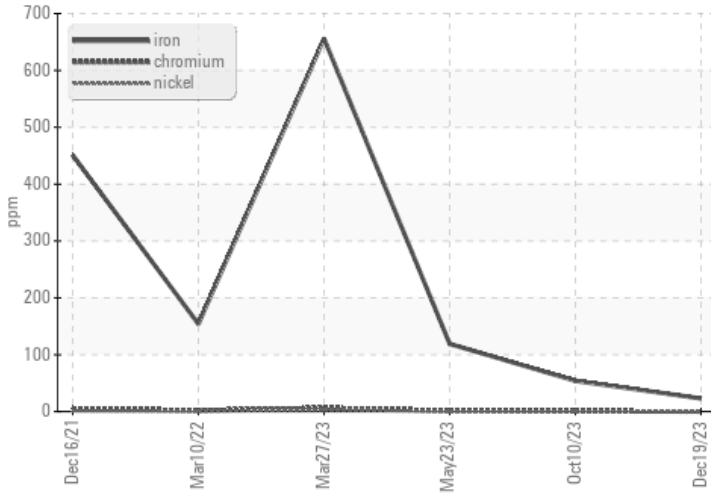


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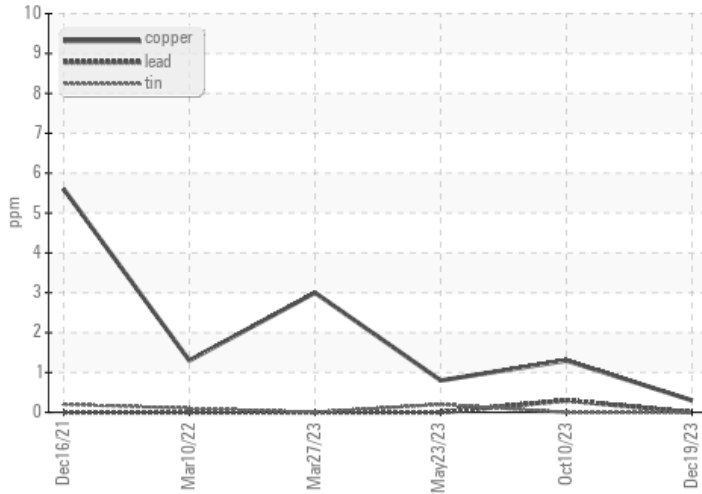


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

