



# CONSTRUCTION EQUIPMENT

## VOLVO G970 530077 - TRANSMISSION (AUTO)



**Sample No:** VC466752  
**Oil Type:** VOLVO AT 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VC466752</b>	VCE204720	VCE204732	VCE162886
Sample Date	<b>19 Feb 2024</b>	20 Feb 2023	08 Jan 2020	09 Feb 2016
Machine Hours	<b>15245</b>	11820	6820	2085
Oil Hours	<b>1735</b>	1700	1620	1800
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**HAUSER CONSTRUCTION**  
 BOX 139  
 ROSALIND, AB  
 CA TOB 3Y0  
 Contact: Harv Hauser  
 harv\_hauser@hotmail.com  
 T: (780)375-3776  
 F: (780)375-3776



### OIL CONDITION

Visc @ 40°C	cSt	<b>33.4</b>	33.2	29.6	26.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	4	3	12
Sodium	ppm	<b>1</b>	2	<1	<1
Potassium	ppm	<b>2</b>	1	<1	2

### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Additive levels indicate the addition of a different brand, or type of fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>24</b>	28	23	69
Copper	ppm	<b>2</b>	3	3	6
Lead	ppm	<b>&lt;1</b>	<1	<1	5
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>2</b>	2	1	3
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>16</b>	16	9	<1
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>449</b>	468	311	14
Magnesium	ppm	<b>3</b>	3	2	5
Zinc	ppm	<b>209</b>	213	132	152
Phosphorus	ppm	<b>350</b>	376	248	84
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>73</b>	76	65	20

**Depot:** HAUROS  
**Unique No:** 5736425  
**Signed:** Kevin Marson  
**Report Date:** 01 Mar 2024

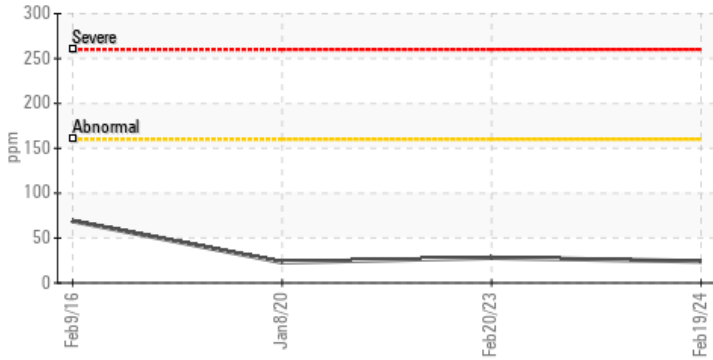


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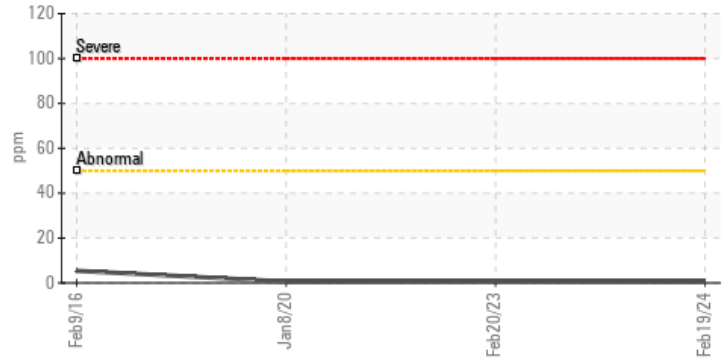


## GRAPHS

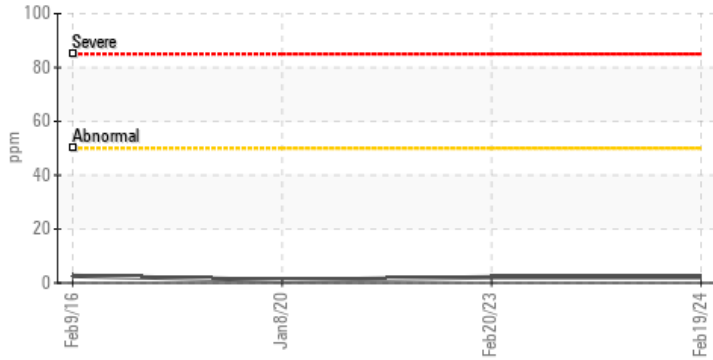
### Iron (ppm)



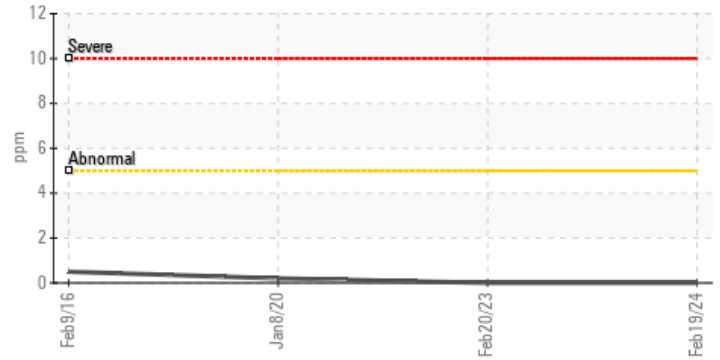
### Lead (ppm)



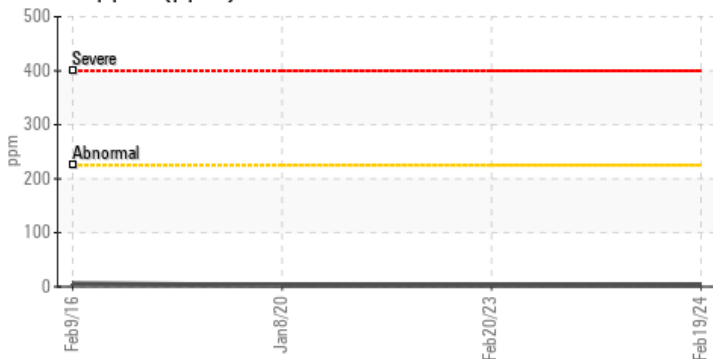
### Aluminum (ppm)



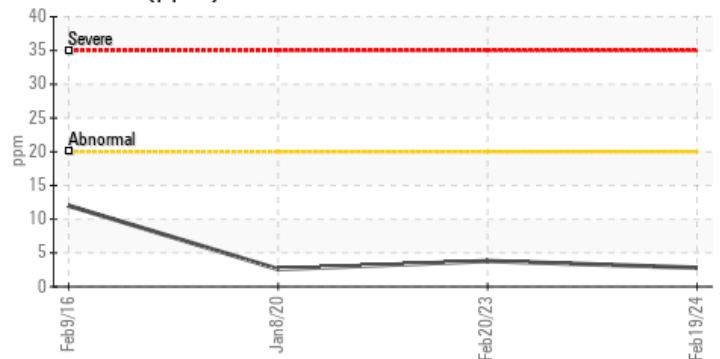
### Chromium (ppm)



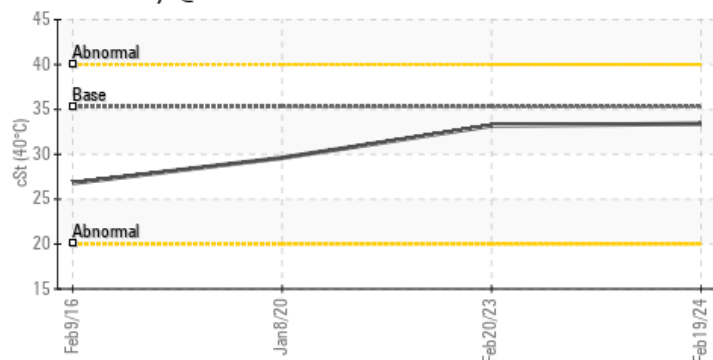
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

