



# CONSTRUCTION EQUIPMENT

## RENTAL VOLVO L180H 5785 - TRANSMISSION (AUTO)



**Sample No:** VCP435601  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** RENTAL



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### SAMPLE INFORMATION

Sample Number	<b>VCP435601</b>	VCP426250	VCP371171	---
Sample Date	<b>23 Feb 2024</b>	16 Oct 2023	14 Sep 2023	---
Machine Hours	<b>3774</b>	1214	628	---
Oil Hours	<b>0</b>	1214	628	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.5</b>	29.6	30.25	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>12</b>	7	8	---
Sodium	ppm	<b>4</b>	4	3	---
Potassium	ppm	<b>9</b>	<1	1	---



### WEAR METALS

Iron	ppm	<b>78</b>	31	26	---
Copper	ppm	<b>8</b>	4	4	---
Lead	ppm	<b>1</b>	0	0	---
Tin	ppm	<b>1</b>	0	<1	---
Aluminum	ppm	<b>2</b>	<1	0	---
Chromium	ppm	<b>1</b>	0	<1	---
Molybdenum	ppm	<b>2</b>	0	<1	---
Nickel	ppm	<b>1</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>5</b>	4	4	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>74</b>	70	72	---
Magnesium	ppm	<b>2</b>	0	1	---
Zinc	ppm	<b>24</b>	12	13	---
Phosphorus	ppm	<b>191</b>	176	178	---
Barium	ppm	<b>1</b>	0	6	---
Boron	ppm	<b>88</b>	75	80	---

### 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.

**Depot:** VOLVO0093  
**Unique No:** 11019089  
**Signed:** Wes Davis  
**Report Date:** 09 May 2024

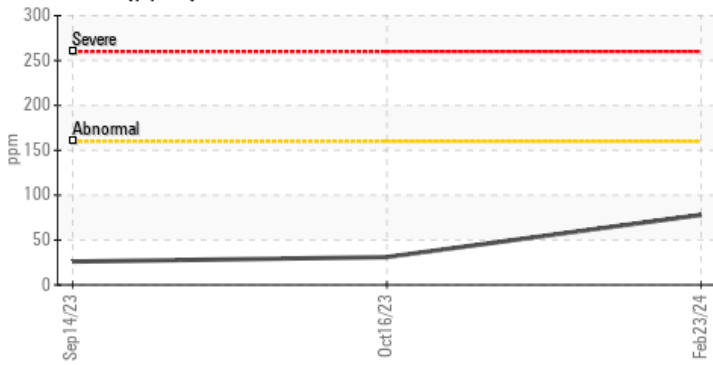


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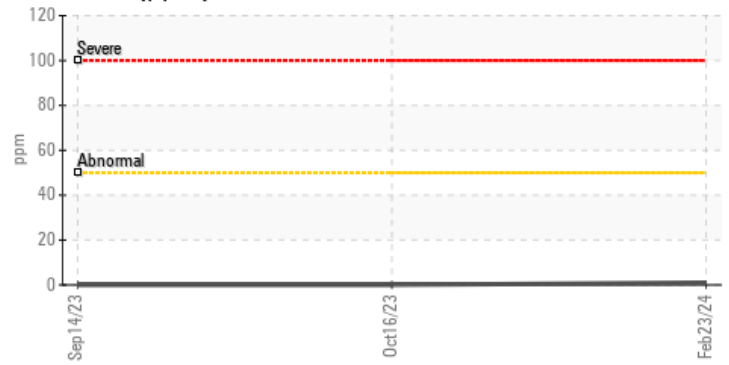


## GRAPHS

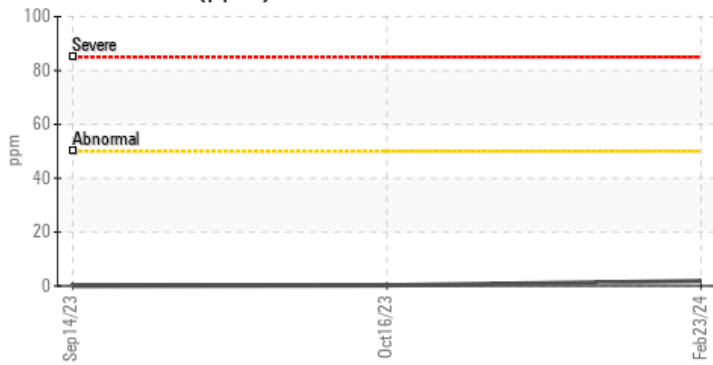
### Iron (ppm)



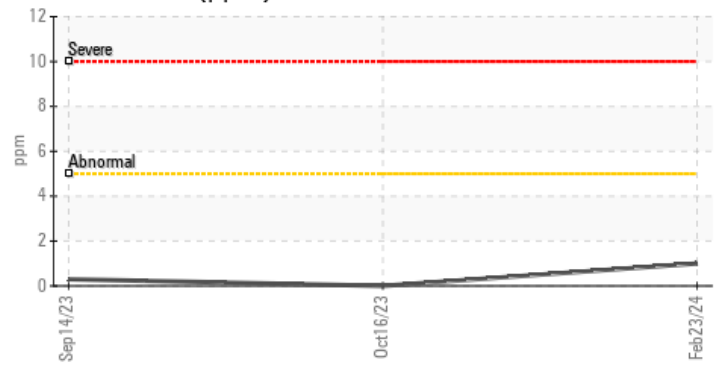
### Lead (ppm)



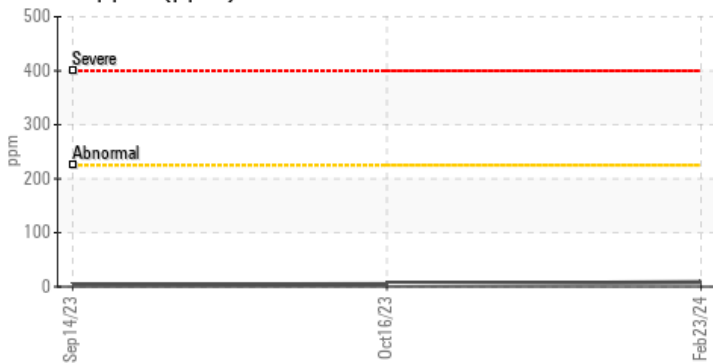
### Aluminum (ppm)



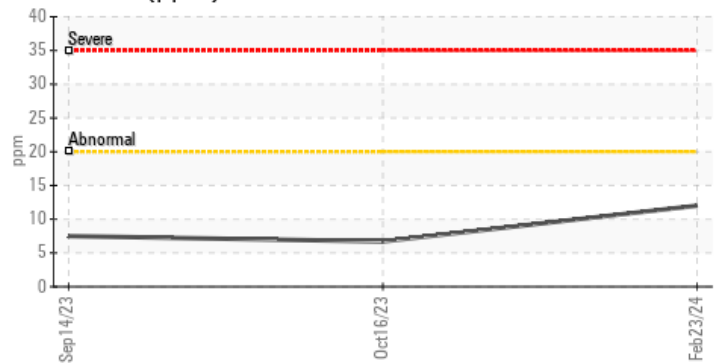
### Chromium (ppm)



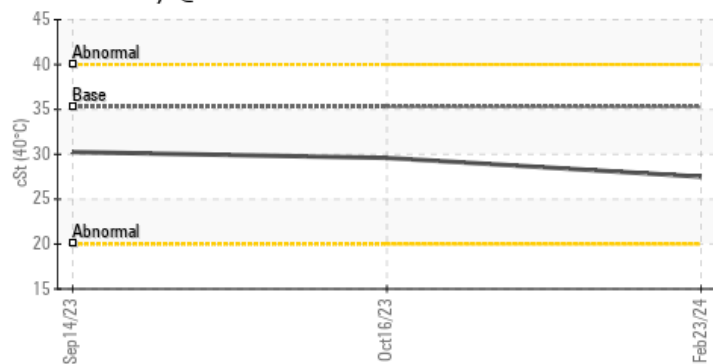
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

