



# CONSTRUCTION EQUIPMENT

## X48356 VOLVO L180H 005706 - TRANSMISSION (AUTO)



**Sample No:** VCP442765  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** X48356



### SAMPLE INFORMATION

Sample Number	VCP442765	---	---	---
Sample Date	05 Jan 2024	---	---	---
Machine Hours	2077	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	▲ 27.3	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 2	---	---	---



### WEAR METALS

Iron	ppm	■ 89	---	---	---
Copper	ppm	■ 10	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	■ 0	---	---	---



### ADDITIVES

Calcium	ppm	▲ 68	---	---	---
Magnesium	ppm	▲ 0	---	---	---
Zinc	ppm	▲ 7	---	---	---
Phosphorus	ppm	▲ 185	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 66	---	---	---

### 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 fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

**Depot:** VOLVO6244  
**Unique No:** 10829893  
**Signed:** Don Baldrige  
**Report Date:** 14 Jan 2024

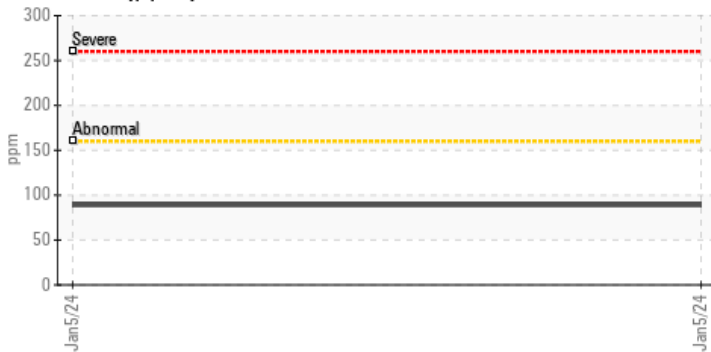


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## GRAPHS

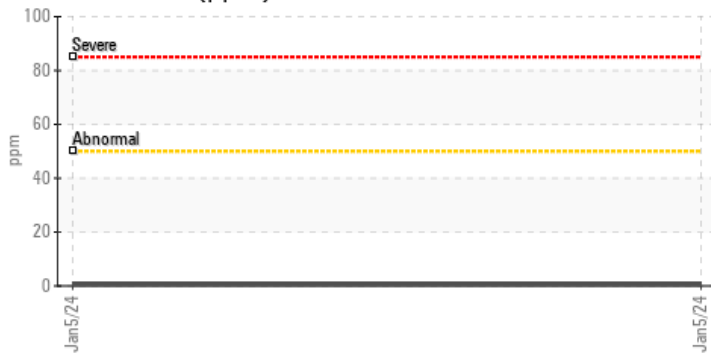
### Iron (ppm)



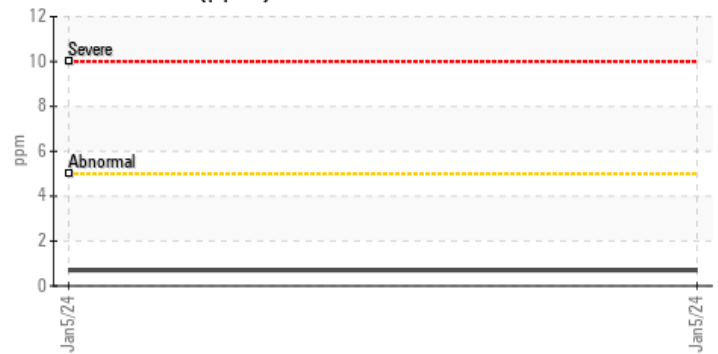
### Lead (ppm)



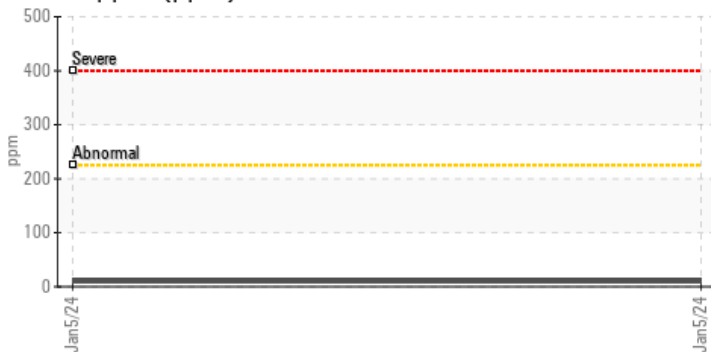
### Aluminum (ppm)



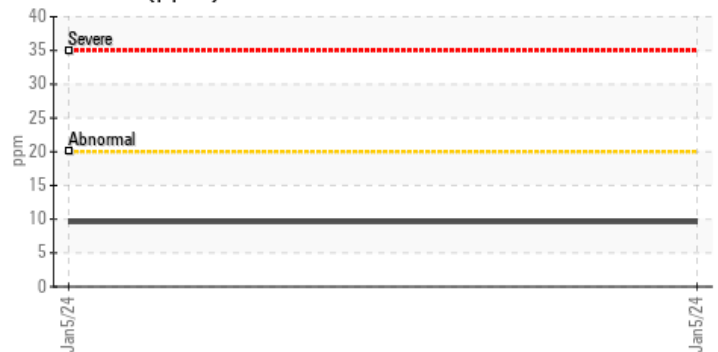
### Chromium (ppm)



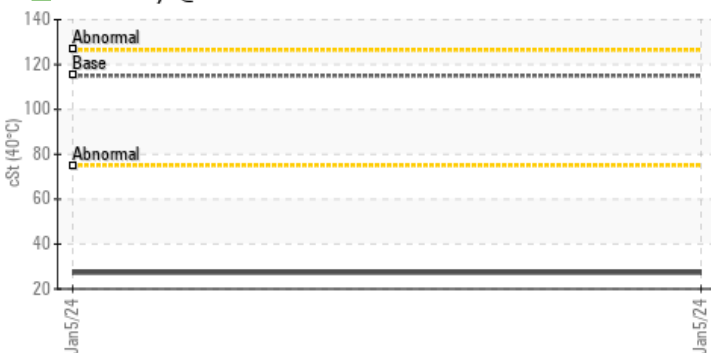
### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 40°C



### ▲ Additives

