



# CONSTRUCTION EQUIPMENT

659478 VOLVO A40G 315157 - GEARBOX



**Sample No:** VCP437694  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 659478



## SAMPLE INFORMATION

Sample Number	VCP437694	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	2059	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**JON M HALL COMPANY**  
 1920 BOOTHE CIRCLE SUITE 110  
 LONGWOOD, FL  
 US 32750  
 Contact: SERVICE MANAGER



## OIL CONDITION

Visc @ 40°C	cSt	▲ 51.0	---	---	---
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T: (407)215-0410  
 F:



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---

## 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. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.



## WEAR METALS

Iron	ppm	■ 199	---	---	---
Copper	ppm	■ 8	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 41	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	▲ 10	---	---	---
Phosphorus	ppm	▲ 2171	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 216	---	---	---

**Depot:** JONLON  
**Unique No:** 10835998  
**Signed:** Don Baldrige  
**Report Date:** 21 Jan 2024

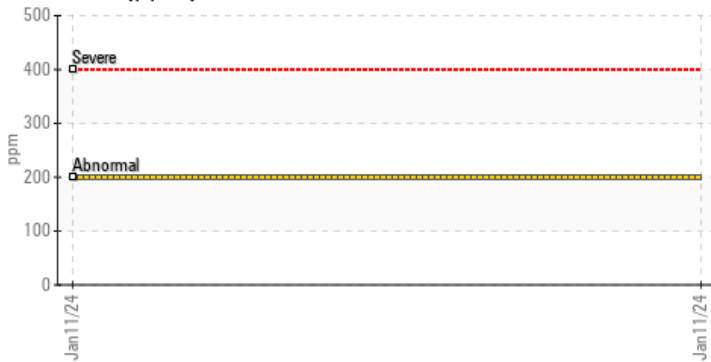


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## GRAPHS

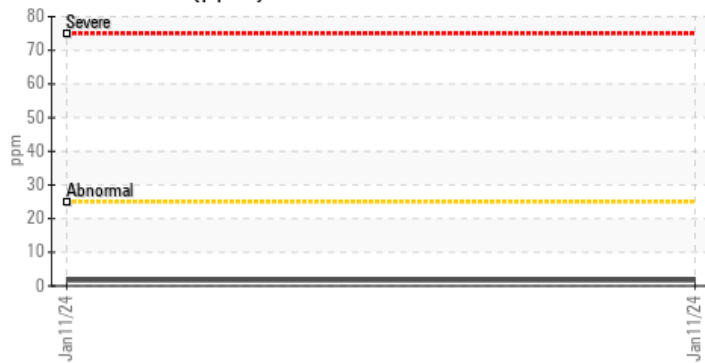
### Iron (ppm)



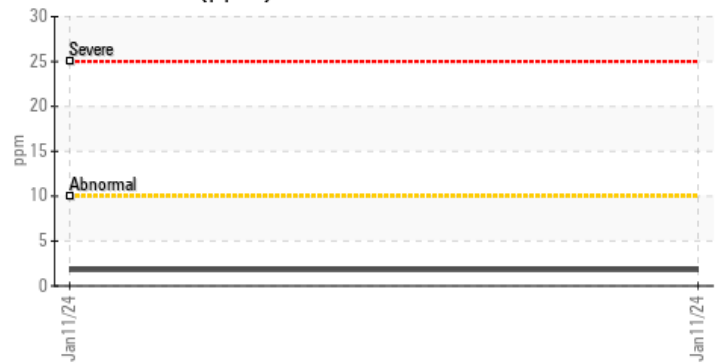
### Lead (ppm)



### Aluminum (ppm)



### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

