



# CONSTRUCTION EQUIPMENT

565509 VOLVO A30G 752905 - DROP BOX



**Sample No:** VCP407832  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 565509



## SAMPLE INFORMATION

Sample Number	VCP407832	---	---	---
Sample Date	13 Jun 2023	---	---	---
Machine Hours	1244	---	---	---
Oil Hours	1244	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
rturner@ripatampa.com  
T:  
F:

## OIL CONDITION

Visc @ 40°C	cSt	▲ 47.0	---	---	---
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## CONTAMINATION

Silicon	ppm	■ 28	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 2	---	---	---

## WEAR METALS

Iron	ppm	■ 79	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 13	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 12	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	■ 39	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	▲ 35	---	---	---
Phosphorus	ppm	▲ 2444	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 181	---	---	---

### Diagnosis

No corrective action is recommended at this time. 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.

**Depot:** RIPTAM  
**Unique No:** 10551173  
**Signed:** Sean Felton  
**Report Date:** 13 Jul 2023

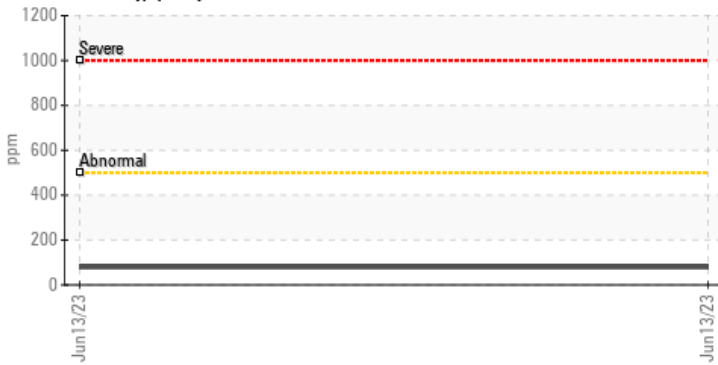


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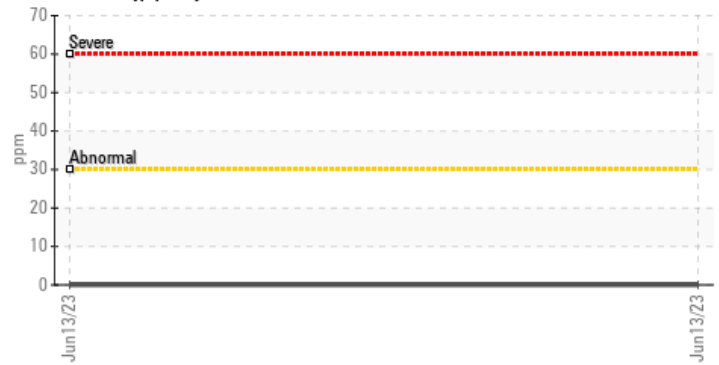


## GRAPHS

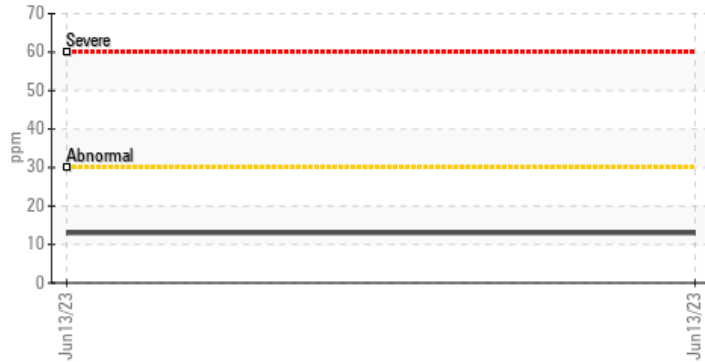
### Iron (ppm)



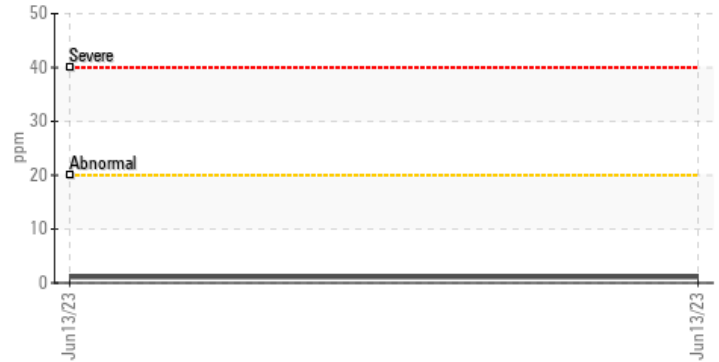
### Lead (ppm)



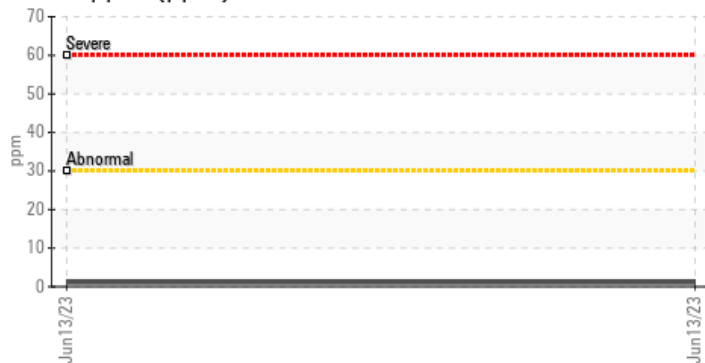
### Aluminum (ppm)



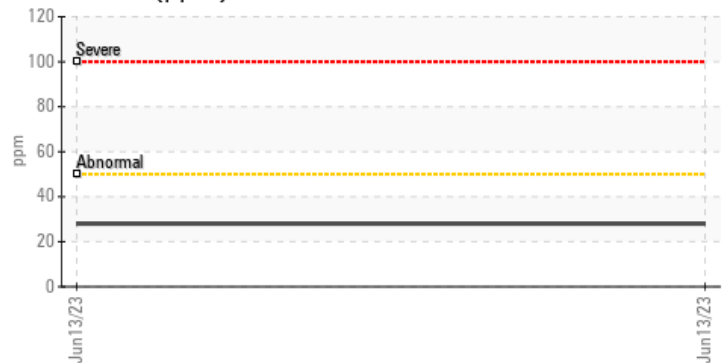
### Chromium (ppm)



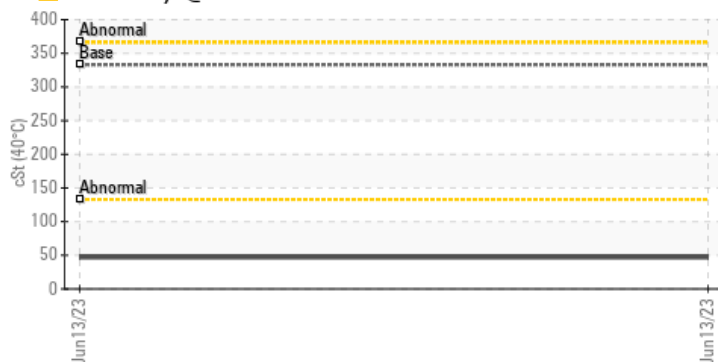
### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 40°C



### ▲ Additives

