



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 752518 - DIESEL ENGINE



**Sample No:** VCP361728  
**Oil Type:** DIESEL ENGINE OIL SAE 30  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP361728	---	---	---
Sample Date	16 Feb 2022	---	---	---
Machine Hours	482	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**ROMCO INC**  
 1350 NE LOOP 820  
 FORT WORTH, TX  
 US 76106  
 Contact: CHRIS BITNER  
 CBitner@romco.com  
 T:  
 F: (817)626-8983



### OIL CONDITION

Visc @ 100°C	cSt	█ 11.82	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	█ 67	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



### CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	█ 60	---	---	---
Sulfation (PA)	%	█ 58	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ 0.3	---	---	---
Silicon	ppm	█ 31	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



### WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	▲ 75	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 2	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	█ 0	---	---	---



### ADDITIVES

Calcium	ppm	█ 1899	---	---	---
Magnesium	ppm	█ 295	---	---	---
Zinc	ppm	█ 1074	---	---	---
Phosphorus	ppm	█ 974	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 114	---	---	---

**Depot:** VOLVO0081  
**Unique No:** 9917361  
**Signed:** Jonathan Hester  
**Report Date:** 05 Apr 2022



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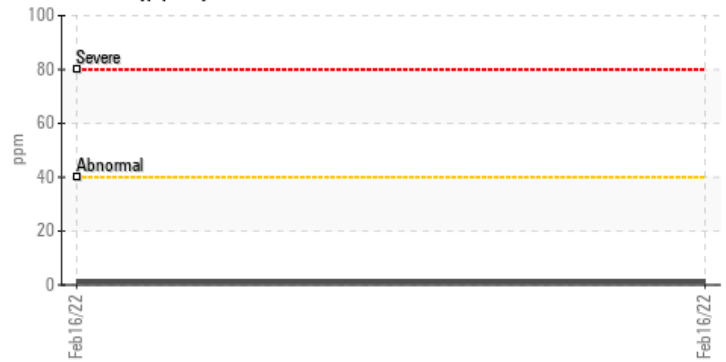


## GRAPHS

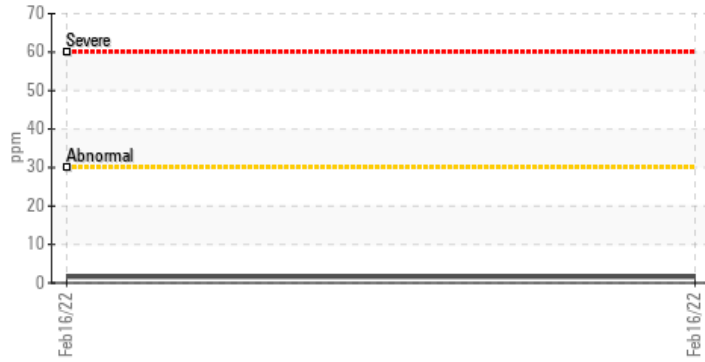
### Iron (ppm)



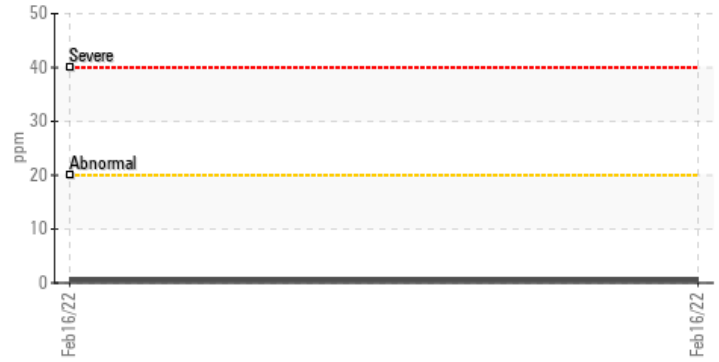
### Lead (ppm)



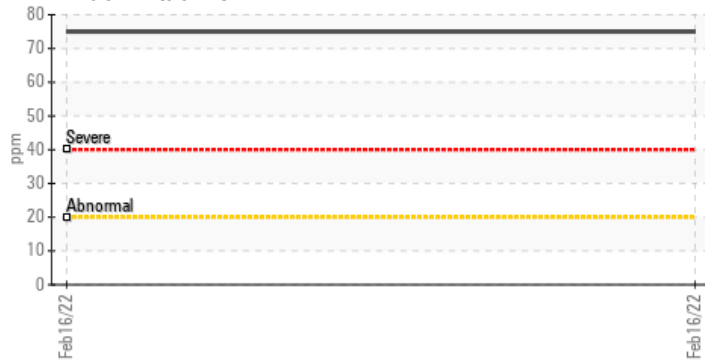
### Aluminum (ppm)



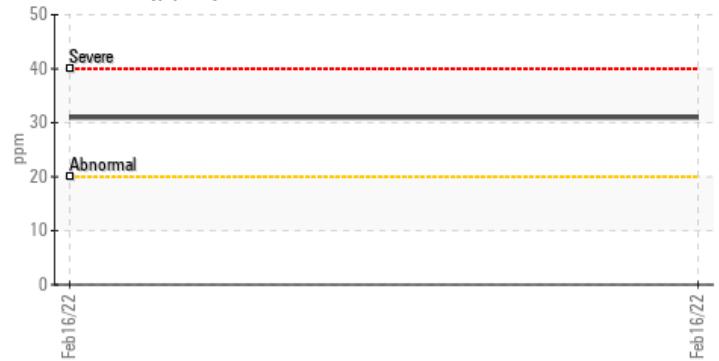
### Chromium (ppm)



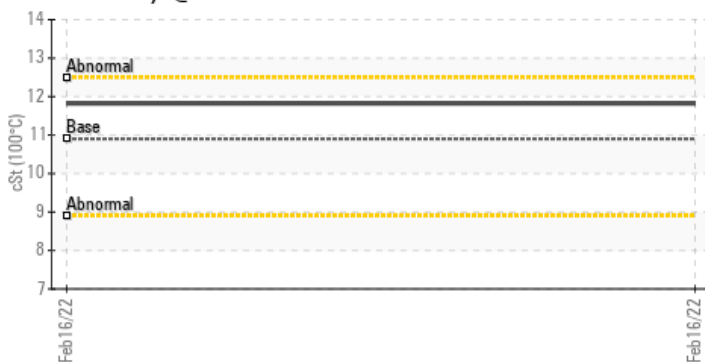
### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Base Number

