



# CONSTRUCTION EQUIPMENT

## 2437 SENNEBOGEN 835 835.0.25 17 - DIESEL ENGINE



**Sample No:** VCP454020  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 2437



### SAMPLE INFORMATION

Sample Number	VCP454020	---	---	---
Sample Date	21 Jun 2024	---	---	---
Machine Hours	7544	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**SIMS METAL**  
 130 NORTH 12TH ST  
 SACRAMENTO, CA  
 US 95814  
 Contact: EVERT

### OIL CONDITION

Visc @ 100°C	cSt	▲ 11.1	---	---	---
Base Number (BN)	mg KOH/g	■ 5.8	---	---	---
Oxidation (PA)	%	86	---	---	---

T: (916)769-7864  
 F:

### Diagnosis

We advise that you check the fuel injection system. 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 a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 4.9	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 9	---	---	---

### WEAR METALS

Iron	ppm	■ 12	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 36	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 1375	---	---	---
Magnesium	ppm	■ 455	---	---	---
Zinc	ppm	■ 936	---	---	---
Phosphorus	ppm	■ 756	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 46	---	---	---

**Depot:** SIMSACCA  
**Unique No:** 11110633  
**Signed:** Jonathan Hester  
**Report Date:** 08 Jul 2024

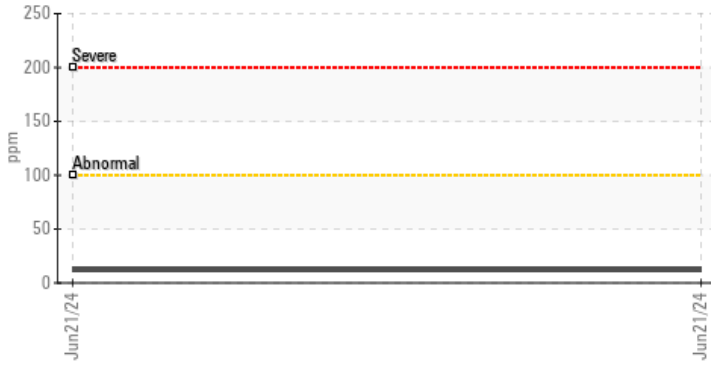


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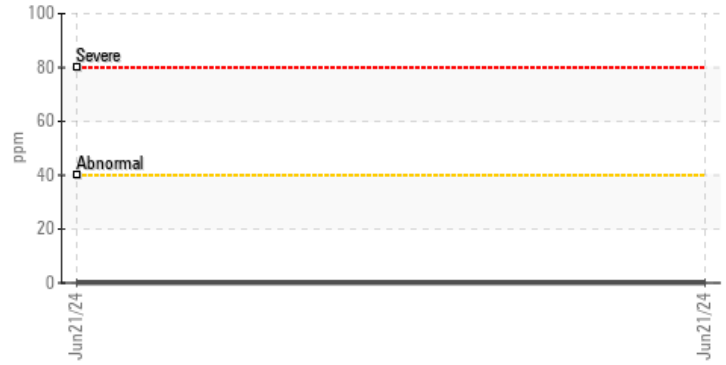


## GRAPHS

### Iron (ppm)



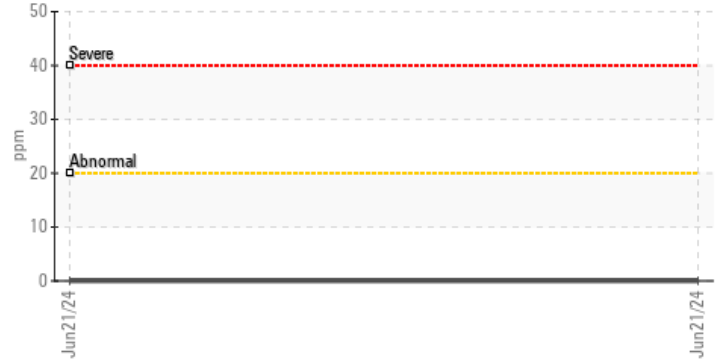
### Lead (ppm)



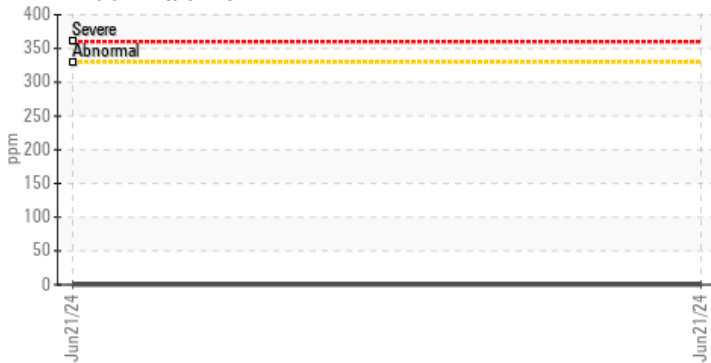
### Aluminum (ppm)



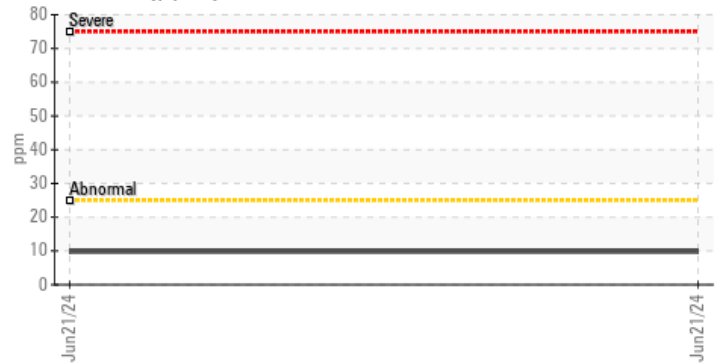
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 100°C



### Base Number

