



# CONSTRUCTION EQUIPMENT

SPM593872 SENNEBOGEN 835ME 835.0.2938 - DIESEL ENGINE



**Sample No:** VCP400501  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM593872



## SAMPLE INFORMATION

Sample Number	VCP400501	VCP399960	---	---
Sample Date	10 Aug 2023	03 Apr 2023	---	---
Machine Hours	3684	2914	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	MARGINAL	---	---

**ALTA CONSTRUCTION EQUIPMENT**  
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## OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	█ 12.3	---	---
Base Number (BN)	mg KOH/g	█ 7.5	█ 6.1	---	---
Oxidation (PA)	%	70	73	---	---

## CONTAMINATION

Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	73	68	---	---
Sulfation (PA)	%	55	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	▲ 3.8	---	---
Silicon	ppm	█ 3	█ 3	---	---
Sodium	ppm	█ 2	█ 0	---	---
Potassium	ppm	█ 5	█ 3	---	---

### Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## WEAR METALS

Iron	ppm	█ 18	█ 18	---	---
Copper	ppm	█ 1	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 3	█ 0	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 59	█ 55	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

## ADDITIVES

Calcium	ppm	█ 1089	█ 1107	---	---
Magnesium	ppm	█ 1002	█ 853	---	---
Zinc	ppm	█ 1158	█ 1100	---	---
Phosphorus	ppm	█ 949	█ 913	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ <1	█ 5	---	---

**Depot:** VOLVO5055  
**Unique No:** 10608534  
**Signed:** Wes Davis  
**Report Date:** 21 Aug 2023



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## GRAPHS

