



# CONSTRUCTION EQUIPMENT

## SENNEBOGEN 835M 835.0.2888 - TRANSMISSION (MANUAL)



**Sample No:** VCP0007101  
**Oil Type:** VOLVO VDS-4.5 Premium Motor Oil 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007101</b>	VCP356523	---	---
Sample Date	<b>04 Feb 2023</b>	21 Mar 2022	---	---
Machine Hours	<b>2462</b>	1061	---	---
Oil Hours	<b>1401</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>46.9</b>	■ 48.3	---	---
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### CONTAMINATION

Silicon	ppm	■ <b>4</b>	■ 4	---	---
Sodium	ppm	■ <b>33</b>	■ 37	---	---
Potassium	ppm	■ <b>3</b>	■ 2	---	---



### WEAR METALS

Iron	ppm	■ <b>42</b>	■ 31	---	---
Copper	ppm	■ <b>45</b>	■ 33	---	---
Lead	ppm	■ <b>1</b>	■ <1	---	---
Tin	ppm	■ <b>1</b>	■ <1	---	---
Aluminum	ppm	■ <b>4</b>	■ 4	---	---
Chromium	ppm	■ <b>&lt;1</b>	■ <1	---	---
Molybdenum	ppm	■ <b>&lt;1</b>	■ <1	---	---
Nickel	ppm	■ <b>0</b>	■ 0	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	■ <b>0</b>	■ <1	---	---
Manganese	ppm	■ <b>32</b>	35	---	---
Vanadium	ppm	<b>&lt;1</b>	<1	---	---



### ADDITIVES

Calcium	ppm	■ <b>3410</b>	■ 3691	---	---
Magnesium	ppm	■ <b>9</b>	■ 9	---	---
Zinc	ppm	■ <b>1129</b>	■ 1147	---	---
Phosphorus	ppm	■ <b>1041</b>	■ 1163	---	---
Barium	ppm	■ <b>0</b>	■ 0	---	---
Boron	ppm	■ <b>4</b>	■ 11	---	---

### Diagnosis

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** COMCHAVC  
**Unique No:** 10325743  
**Signed:** Don Baldrige  
**Report Date:** 09 Feb 2023



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## GRAPHS

