



# CONSTRUCTION EQUIPMENT

SPM606511 SENNEBOGEN 835ME 835.0.2733 - DIESEL ENGINE



**Sample No:** VCP423333  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM606511



## SAMPLE INFORMATION

Sample Number	<b>VCP423333</b>	VCP423331	VCP423149	VCP422608
Sample Date	<b>19 Oct 2023</b>	19 Oct 2023	18 Jul 2023	24 Apr 2023
Machine Hours	<b>15132</b>	7319	6795	6276
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	MARGINAL	SEVERE

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
 CHICAGO, IL  
 US 60608  
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 T:  
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## OIL CONDITION

Visc @ 100°C	cSt	█ <b>12.3</b>	█ 13.1	█ 12.8	▲ 11.1
Base Number (BN)	mg KOH/g	█ <b>7.2</b>	█ 8.6	█ 8.5	█ 7.0
Oxidation (PA)	%	<b>83</b>	68	66	68

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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 %	%	█ <b>0.2</b>	█ 0.1	█ 0.1	█ 0.1
Nitration (PA)	%	<b>94</b>	71	69	69
Sulfation (PA)	%	<b>64</b>	55	55	51
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	█ <b>1.5</b>	<1.0	▲ 3.8	● 8.5
Silicon	ppm	█ <b>5</b>	█ 3	█ 2	█ 2
Sodium	ppm	█ <b>4</b>	█ 6	█ 2	█ 0
Potassium	ppm	█ <b>5</b>	█ 6	█ 1	█ <1

## WEAR METALS

Iron	ppm	█ <b>18</b>	█ 5	█ 5	█ 6
Copper	ppm	█ <b>&lt;1</b>	█ <1	█ <1	█ 0
Lead	ppm	█ <b>&lt;1</b>	█ 0	█ 0	█ 0
Tin	ppm	█ <b>&lt;1</b>	█ <1	█ 0	█ 0
Aluminum	ppm	█ <b>3</b>	█ 5	█ <1	█ 1
Chromium	ppm	█ <b>&lt;1</b>	█ <1	█ 0	█ 0
Molybdenum	ppm	█ <b>14</b>	█ 51	█ 61	█ 52
Nickel	ppm	█ <b>&lt;1</b>	█ <1	█ 0	█ 0
Titanium	ppm	█ <b>1</b>	█ <1	█ <1	█ 0
Silver	ppm	█ <b>0</b>	█ 0	█ 0	█ 0
Manganese	ppm	█ <b>0</b>	█ 0	█ <1	█ <1
Vanadium	ppm	█ <b>&lt;1</b>	█ <1	█ <1	█ 0

## ADDITIVES

Calcium	ppm	█ <b>1237</b>	█ 852	█ 1081	█ 934
Magnesium	ppm	█ <b>781</b>	█ 843	█ 1017	█ 899
Zinc	ppm	█ <b>960</b>	█ 1067	█ 1243	█ 1103
Phosphorus	ppm	█ <b>782</b>	█ 872	█ 1005	█ 851
Barium	ppm	█ <b>0</b>	█ 0	█ 0	█ 0
Boron	ppm	█ <b>55</b>	█ 0	█ 2	█ 0

**Depot:** SIMCHIL  
**Unique No:** 10712799  
**Signed:** Wes Davis  
**Report Date:** 30 Oct 2023



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## VOLVO GRAPHS

