



# CONSTRUCTION EQUIPMENT

SPM660155 SENNEBOGEN 835M 835.0.3000 - DIESEL ENGINE



**Sample No:** VCP386784  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM660155



## SAMPLE INFORMATION

Sample Number	<b>VCP386784</b>	VCP433710	VCP382829	VCP399740
Sample Date	<b>11 Jan 2024</b>	26 Oct 2023	25 May 2023	21 Mar 2023
Machine Hours	<b>4647</b>	4088	3007	2502
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### BELSON STEEL

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## OIL CONDITION

Visc @ 100°C	cSt	<b>12.8</b>	13.0	13.2	13.1
Base Number (BN)	mg KOH/g	<b>8.8</b>	8.2	8.5	7.4
Oxidation (PA)	%	<b>72</b>	73	70	63

### 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.



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.2</b>	0.2	0.2	0.1
Nitration (PA)	%	<b>75</b>	76	74	65
Sulfation (PA)	%	<b>55</b>	57	56	49
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>3</b>	4	2	3
Sodium	ppm	<b>&lt;1</b>	2	0	0
Potassium	ppm	<b>3</b>	3	4	2



## WEAR METALS

Iron	ppm	<b>10</b>	10	7	9
Copper	ppm	<b>1</b>	1	<1	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	2	0	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>59</b>	61	60	59
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



## ADDITIVES

Calcium	ppm	<b>971</b>	1045	1054	1039
Magnesium	ppm	<b>892</b>	1021	872	901
Zinc	ppm	<b>1165</b>	1340	1178	1220
Phosphorus	ppm	<b>927</b>	1003	975	979
Barium	ppm	<b>1</b>	0	0	2
Boron	ppm	<b>&lt;1</b>	0	0	0

**Depot:** BELBOU  
**Unique No:** 10899661  
**Signed:** Wes Davis  
**Report Date:** 28 Feb 2024



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## GRAPHS

