



# CONSTRUCTION EQUIPMENT

## SPM621417 SENNEBOGEN 825ME 825.0.3425 - DIESEL ENGINE



**Sample No:** VCP415041  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM621417



### SAMPLE INFORMATION

Sample Number	<b>VCP415041</b>	VCP423412	VCP404957	VCP387473
Sample Date	<b>18 Oct 2023</b>	08 Jun 2023	29 Mar 2023	15 Nov 2022
Machine Hours	<b>7157</b>	5757	5489	4525
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALL AMERICAN RECYCLING**  
 11900 S COTTAGE GROVE AVE  
 CHICAGO, IL  
 US 60628  
 Contact: TOM BOCHENEK  
 ferrous@aarecylcles.com  
 T: (815)735-9892  
 F:



### OIL CONDITION

Visc @ 100°C	cSt	<b>12.9</b>	13.2	13.4	12.7
Base Number (BN)	mg KOH/g	<b>8.5</b>	7.9	8.5	9.9
Oxidation (PA)	%	<b>61</b>	69	57	64

### 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

Soot %	%	<b>0.1</b>	0.2	0.1	0.1
Nitration (PA)	%	<b>60</b>	60	53	59
Sulfation (PA)	%	<b>53</b>	57	52	57
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	4	3	3
Sodium	ppm	<b>&lt;1</b>	2	<1	0
Potassium	ppm	<b>1</b>	2	0	1



### WEAR METALS

Iron	ppm	<b>12</b>	14	10	12
Copper	ppm	<b>1</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>3</b>	3	<1	2
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>61</b>	59	56	60
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>1063</b>	1072	1026	1085
Magnesium	ppm	<b>953</b>	963	892	898
Zinc	ppm	<b>1256</b>	1307	1149	1215
Phosphorus	ppm	<b>1013</b>	1001	930	999
Barium	ppm	<b>7</b>	0	0	2
Boron	ppm	<b>0</b>	<1	0	<1

**Depot:** ALLCHILL  
**Unique No:** 10737818  
**Signed:** Wes Davis  
**Report Date:** 10 Nov 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

