



# CONSTRUCTION EQUIPMENT

SPM634757 SENNEBOGEN 825 825.0.3972 - DIESEL ENGINE



**Sample No:** VCP435670  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM634757



## SAMPLE INFORMATION

Sample Number	<b>VCP435670</b>	VCP415197	VCP420042	---
Sample Date	<b>29 Nov 2023</b>	12 Sep 2023	13 Jul 2023	---
Machine Hours	<b>1168</b>	646	291	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	ATTENTION	ATTENTION	---

### LEMONT SCRAP

16229 NEW AVE.

LEMONT, IL

US 60432

Contact: Service Manager

## OIL CONDITION

Visc @ 100°C	cSt	<b>12.5</b>	10.9	11.2	---
Base Number (BN)	mg KOH/g	<b>8.2</b>	5.7	7.0	---
Oxidation (PA)	%	<b>64</b>	62	55	---

T:

F:

## 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	---
Soot %	%	<b>0.1</b>	0.2	0.1	---
Nitration (PA)	%	<b>63</b>	79	71	---
Sulfation (PA)	%	<b>55</b>	52	49	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	1.5	0.9	---
Silicon	ppm	<b>6</b>	32	28	---
Sodium	ppm	<b>&lt;1</b>	5	5	---
Potassium	ppm	<b>0</b>	3	0	---

## WEAR METALS

Iron	ppm	<b>12</b>	22	14	---
Copper	ppm	<b>2</b>	16	7	---
Lead	ppm	<b>0</b>	0	<1	---
Tin	ppm	<b>&lt;1</b>	<1	0	---
Aluminum	ppm	<b>&lt;1</b>	2	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>59</b>	82	84	---
Nickel	ppm	<b>0</b>	<1	0	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	3	2	---
Vanadium	ppm	<b>0</b>	0	<1	---

## ADDITIVES

Calcium	ppm	<b>1110</b>	2294	2284	---
Magnesium	ppm	<b>943</b>	65	72	---
Zinc	ppm	<b>1277</b>	1244	1221	---
Phosphorus	ppm	<b>965</b>	989	1026	---
Barium	ppm	<b>0</b>	3	0	---
Boron	ppm	<b>3</b>	51	90	---

**Depot:** LEMLEMVC

**Unique No:** 10792856

**Signed:** Wes Davis

**Report Date:** 19 Dec 2023



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## GRAPHS

