



CONSTRUCTION EQUIPMENT

SPM731355 SENNEBOGEN 835ME 835.0.2266 - DIESEL ENGINE



Sample No: VCP435706
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM731355



SAMPLE INFORMATION

Sample Number	VCP435706	VCP422975	VCP422527	---
Sample Date	08 Jul 2024	11 Aug 2023	09 May 2023	---
Machine Hours	21313	19533	19009	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608

Contact: RYAN WISE
ryan.wise@simsmm.com
T:
F:



OIL CONDITION

Visc @ 100°C	cSt	12.8	13.2	12.8	---
Base Number (BN)	mg KOH/g	7.0	6.2	8.3	---
Oxidation (PA)	%	84	94	69	---

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	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.2	0.2	---
Nitration (PA)	%	95	103	79	---
Sulfation (PA)	%	63	69	58	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	4	4	4	---
Sodium	ppm	3	3	2	---
Potassium	ppm	4	<1	2	---



WEAR METALS

Iron	ppm	10	13	12	---
Copper	ppm	<1	3	2	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	3	2	<1	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	45	47	45	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1196	1288	1247	---
Magnesium	ppm	904	1001	962	---
Zinc	ppm	1045	1196	1209	---
Phosphorus	ppm	926	915	961	---
Barium	ppm	0	0	0	---
Boron	ppm	19	22	26	---

Depot: SIMCHIL
Unique No: 11128802
Signed: Wes Davis
Report Date: 18 Jul 2024



CONSTRUCTION EQUIPMENT



GRAPHS

