

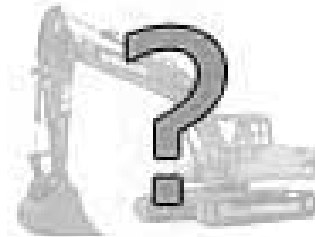


CONSTRUCTION EQUIPMENT

SPM581201 SENNEBOGEN 835ME 835.0.2266 - DIESEL ENGINE



Sample No: VCP422975
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM581201



SAMPLE INFORMATION

Sample Number	VCP422975	VCP422527	VCP401591	VCP388568
Sample Date	11 Aug 2023	09 May 2023	20 Feb 2023	08 Dec 2022
Machine Hours	19533	19009	18581	18179
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	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	13.2	12.8	12.6	12.6
Base Number (BN)	mg KOH/g	6.2	8.3	9.9	8.1
Oxidation (PA)	%	94	69	53	70

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 %	%	0.2	0.2	0.1	0.2
Nitration (PA)	%	103	79	48	73
Sulfation (PA)	%	69	58	49	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	2	4
Sodium	ppm	3	2	0	2
Potassium	ppm	<1	2	2	3



WEAR METALS

Iron	ppm	13	12	4	11
Copper	ppm	3	2	17	15
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	<1	1	2
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	47	45	47	44
Nickel	ppm	0	0	0	1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	1288	1247	1339	1215
Magnesium	ppm	1001	962	628	969
Zinc	ppm	1196	1209	1083	1279
Phosphorus	ppm	915	961	951	981
Barium	ppm	0	0	0	0
Boron	ppm	22	26	13	29

Depot: SIMCHIL
Unique No: 10615931
Signed: Wes Davis
Report Date: 22 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

