



CONSTRUCTION EQUIPMENT

SPM620293 SENNEBOGEN 835ME 835.0.2078 - DIESEL ENGINE



Sample No: VCP425326
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM620293



SAMPLE INFORMATION

Sample Number	VCP425326	VCP418595	VCP387169	VCP373754
Sample Date	12 Oct 2023	19 May 2023	02 Mar 2023	21 Nov 2022
Machine Hours	19841	19056	18536	18035
Oil Hours	0	0	0	0
Oil Changed	Not Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	SEVERE	ABNORMAL

SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	15.2	14.4	▲ 11.1	▲ 11.9
Base Number (BN)	mg KOH/g	9.4	8.5	7.8	8.3
Oxidation (PA)	%	78	89	87	99

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 %	%	1.5	1.5	1.2	1.4
Nitration (PA)	%	99	117	111	126
Sulfation (PA)	%	65	71	66	75
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	<1.0	● 12.2	▲ 5.3
Silicon	ppm	5	6	7	6
Sodium	ppm	9	8	23	126
Potassium	ppm	6	6	10	52



WEAR METALS

Iron	ppm	34	45	38	52
Copper	ppm	3	2	2	3
Lead	ppm	2	4	2	6
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	5	3	2	4
Chromium	ppm	2	2	2	2
Molybdenum	ppm	56	62	52	85
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	3	4	1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	1092	1346	985	1059
Magnesium	ppm	941	1016	839	931
Zinc	ppm	1174	1249	1041	1243
Phosphorus	ppm	969	1013	831	916
Barium	ppm	0	0	0	0
Boron	ppm	10	17	5	<1

Depot: SIMCHIIL
Unique No: 10712805
Signed: Wes Davis
Report Date: 27 Oct 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

