



CONSTRUCTION EQUIPMENT

SPM621292 SENNEBOGEN 835ME 835.0.2518 - DIESEL ENGINE



Sample No: VCP433252
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM621292



SAMPLE INFORMATION

Sample Number	VCP433252	VCP418513	VCP406079	VCP365823
Sample Date	24 Oct 2023	20 Jun 2023	20 Mar 2023	21 Nov 2022
Machine Hours	9940	9340	8821	8338
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	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	12.7	▲ 12.2	12.8
Base Number (BN)	mg KOH/g	8.3	9.1	8.8	9.8
Oxidation (PA)	%	73	71	69	76

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	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	79	81	72	81
Sulfation (PA)	%	57	56	55	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	▲ 4.3	<1.0
Silicon	ppm	4	3	3	4
Sodium	ppm	0	<1	2	1
Potassium	ppm	5	2	2	3



WEAR METALS

Iron	ppm	8	8	8	7
Copper	ppm	2	2	2	1
Lead	ppm	0	0	0	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	2	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	63	60	57	62
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1077	1055	1055	1120
Magnesium	ppm	975	1002	906	958
Zinc	ppm	1261	1321	1203	1319
Phosphorus	ppm	999	1027	980	990
Barium	ppm	0	0	2	0
Boron	ppm	0	0	0	3

Depot: SIMCHIIL
Unique No: 10751286
Signed: Wes Davis
Report Date: 21 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

