



CONSTRUCTION EQUIPMENT

SPM620256 SENNEBOGEN 835ME 835.0.2733 - DIESEL ENGINE



Sample No: VCP423331
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM620256



SAMPLE INFORMATION

Sample Number	VCP423331	VCP423149	VCP422608	VCP358032
Sample Date	19 Oct 2023	18 Jul 2023	24 Apr 2023	23 Aug 2022
Machine Hours	7319	6795	6276	4781
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	MARGINAL	SEVERE	MARGINAL

SIMS METAL MANAGEMENT

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

Visc @ 100°C	cSt	13.1	12.8	▲ 11.1	13.0
Base Number (BN)	mg KOH/g	8.6	8.5	7.0	9.9
Oxidation (PA)	%	68	66	68	75

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.2
Nitration (PA)	%	71	69	69	88
Sulfation (PA)	%	55	55	51	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	▲ 3.8	● 8.5	▲ 3.8
Silicon	ppm	3	2	2	3
Sodium	ppm	6	2	0	<1
Potassium	ppm	6	1	<1	15



WEAR METALS

Iron	ppm	5	5	6	8
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	5	<1	1	6
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	51	61	52	62
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	852	1081	934	1036
Magnesium	ppm	843	1017	899	915
Zinc	ppm	1067	1243	1103	1254
Phosphorus	ppm	872	1005	851	1004
Barium	ppm	0	0	0	0
Boron	ppm	0	2	0	2

Depot: SIMCHIL
Unique No: 10712787
Signed: Sean Felton
Report Date: 27 Oct 2023



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GRAPHS

