



CONSTRUCTION EQUIPMENT

SPM606655 SENNEBOGEN 835ME 835.0.2500 - DIESEL ENGINE



Sample No: VCP415227
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM606655



SAMPLE INFORMATION

Sample Number	VCP415227	VCP423438	VCP400220	VCP399736
Sample Date	12 Sep 2023	10 Jul 2023	20 Mar 2023	05 Jan 2023
Machine Hours	9698	9151	8469	7934
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ATTENTION	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	13.2	12.3	12.2	12.9
Base Number (BN)	mg KOH/g	6.4	5.3	7.1	7.0
Oxidation (PA)	%	96	99	78	82

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	0.3	0.4	0.4
Nitration (PA)	%	109	107	88	94
Sulfation (PA)	%	71	71	60	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	3.7	<1.0
Silicon	ppm	7	6	5	5
Sodium	ppm	4	4	2	0
Potassium	ppm	4	0	2	0

WEAR METALS

Iron	ppm	23	36	24	16
Copper	ppm	2	2	2	2
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	4	2	4	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	58	53	53	56
Nickel	ppm	<1	0	0	0
Titanium	ppm	7	5	3	3
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	<1	<1	0

ADDITIVES

Calcium	ppm	1453	1255	1168	1152
Magnesium	ppm	954	908	829	880
Zinc	ppm	1229	1175	1108	1100
Phosphorus	ppm	977	958	913	903
Barium	ppm	0	0	2	0
Boron	ppm	31	33	17	17

Depot: SIMCHIL
Unique No: 10658050
Signed: Wes Davis
Report Date: 21 Sep 2023



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VOLVO GRAPHS

