



CONSTRUCTION EQUIPMENT

SPM566277 SENNEBOGEN 835ME 835.0.2542 - DIESEL ENGINE



Sample No: VCP423439
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SPM566277



SAMPLE INFORMATION

Sample Number	VCP423439	VCP404747	VCP389997	VCP364801
Sample Date	10 Jul 2023	04 Apr 2023	06 Dec 2022	22 Sep 2022
Machine Hours	8163	7921	7465	7036
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
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 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	13.2	12.6	13.1	13.6
Base Number (BN)	mg KOH/g	9.3	8.8	9.0	9.3
Oxidation (PA)	%	64	67	68	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 %	%	0.1	0.2	0.1	0.2
Nitration (PA)	%	66	74	73	88
Sulfation (PA)	%	55	55	56	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	4	3	6
Sodium	ppm	2	1	2	2
Potassium	ppm	0	2	<1	5

WEAR METALS

Iron	ppm	4	6	4	8
Copper	ppm	<1	2	1	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	0	1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	63	56	60	59
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	<1

ADDITIVES

Calcium	ppm	1136	1073	1098	897
Magnesium	ppm	1069	879	939	952
Zinc	ppm	1305	1156	1247	1123
Phosphorus	ppm	1043	940	964	1012
Barium	ppm	0	0	0	0
Boron	ppm	0	8	0	0

Depot: SIMCHIL
Unique No: 10573973
Signed: Don Baldrige
Report Date: 27 Jul 2023



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GRAPHS

