



CONSTRUCTION EQUIPMENT

729 SENNEBOGEN 835E 835.0.2394 - DIESEL ENGINE



Sample No: VCP424147
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 729



SAMPLE INFORMATION

Sample Number	VCP424147	VCP397875	VCP307478	VCP295720
Sample Date	04 Nov 2023	07 Feb 2023	10 Jun 2021	21 Dec 2020
Machine Hours	11082	9773	6949	6211
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SIMS METAL
 130 NORTH 12TH ST
 SACRAMENTO, CA
 US 95814
 Contact: EVERT

OIL CONDITION

Visc @ 100°C	cSt	12.8	12.7	12.9	12.7
Base Number (BN)	mg KOH/g	6.0	5.1	---	---
Oxidation (PA)	%	110	105	100	88

T: (916)769-7864
 F:

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 %	%	0.3	0.3	0.3	0.5
Nitration (PA)	%	93	97	84	98
Sulfation (PA)	%	69	73	69	70
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	9	12	8	6
Sodium	ppm	3	3	2	3
Potassium	ppm	2	9	6	18

WEAR METALS

Iron	ppm	18	35	26	71
Copper	ppm	3	5	3	6
Lead	ppm	2	2	2	2
Tin	ppm	0	<1	<1	0
Aluminum	ppm	4	7	7	10
Chromium	ppm	<1	1	2	3
Molybdenum	ppm	53	60	42	45
Nickel	ppm	<1	<1	2	4
Titanium	ppm	<1	2	1	14
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1702	1620	1684	1528
Magnesium	ppm	487	475	522	711
Zinc	ppm	1141	1142	1076	789
Phosphorus	ppm	812	893	912	663
Barium	ppm	0	<1	0	0
Boron	ppm	67	67	34	25

Depot: SIMSACCA
Unique No: 10753833
Signed: Wes Davis
Report Date: 24 Nov 2023



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GRAPHS

