



CONSTRUCTION EQUIPMENT

1764 SENNEBOGEN 835 835.5.2560 - DIESEL ENGINE



Sample No: VCP437830
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 1764



SAMPLE INFORMATION

Sample Number	VCP437830	VCP404699	VCP293617	---
Sample Date	09 Mar 2024	21 Apr 2023	23 Dec 2020	---
Machine Hours	7742	6200	2436	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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

OIL CONDITION

Visc @ 100°C	cSt	13.1	12.7	13.2	---
Base Number (BN)	mg KOH/g	7.4	7.8	---	---
Oxidation (PA)	%	110	98	93	---

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	---
Soot %	%	0.2	0.2	0.3	---
Nitration (PA)	%	97	82	93	---
Sulfation (PA)	%	69	62	70	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	6	3	---
Sodium	ppm	3	4	4	---
Potassium	ppm	6	9	12	---

WEAR METALS

Iron	ppm	10	12	20	---
Copper	ppm	3	2	2	---
Lead	ppm	<1	1	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	4	2	5	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	42	41	44	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	0	13	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	<1	<1	0	---

ADDITIVES

Calcium	ppm	1793	1712	1518	---
Magnesium	ppm	527	520	711	---
Zinc	ppm	1198	1226	774	---
Phosphorus	ppm	993	980	649	---
Barium	ppm	0	0	<1	---
Boron	ppm	32	35	44	---

Depot: SIMSACCA
Unique No: 10937616
Signed: Don Baldrige
Report Date: 22 Mar 2024



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GRAPHS

