



CONSTRUCTION EQUIPMENT

SWA367307 ALTER PEOR SENNEBOGEN 835M 835.0.2632 - DIESEL ENGINE



Sample No: VCP396360
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA367307 ALTER PEOR



SAMPLE INFORMATION

Sample Number	VCP396360	VCP363691	---	---
Sample Date	17 Oct 2023	25 Oct 2022	---	---
Machine Hours	8583	6250	---	---
Oil Hours	2000	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
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 US 61705

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OIL CONDITION

Visc @ 100°C	cSt	13.1	13.2	---	---
Base Number (BN)	mg KOH/g	6.9	7.5	---	---
Oxidation (PA)	%	122	104	---	---

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 %	%	0.3	0.3	---	---
Nitration (PA)	%	99	103	---	---
Sulfation (PA)	%	72	72	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	5	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	6	6	---	---



WEAR METALS

Iron	ppm	21	26	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	54	69	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	2	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1768	1328	---	---
Magnesium	ppm	586	895	---	---
Zinc	ppm	1239	1363	---	---
Phosphorus	ppm	960	1066	---	---
Barium	ppm	0	0	---	---
Boron	ppm	26	7	---	---

Depot: VOLVO5054
Unique No: 10699584
Signed: Jonathan Hester
Report Date: 20 Oct 2023



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GRAPHS

