



CONSTRUCTION EQUIPMENT

569381-10 ALTER PEOR SENNEBOGEN 835M 835.0.2632 - DIESEL ENGINE



Sample No: VCP453585
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 569381-10 ALTER PEOR



SAMPLE INFORMATION

Sample Number	VCP453585	VCP431483	VCP396360	VCP363691
Sample Date	28 May 2024	15 Mar 2024	17 Oct 2023	25 Oct 2022
Machine Hours	9992	9526	8583	6250
Oil Hours	500	1000	2000	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY
 1035 WYLIE DRIVE
 BLOOMINGTON, IL
 US 61705
 Contact: JUSTIN PERRY
 justin.perry@altg.com
 T: (309)533-9285
 F:

OIL CONDITION

Visc @ 100°C	cSt	13.6	12.6	13.1	13.2
Base Number (BN)	mg KOH/g	6.9	5.3	6.9	7.5
Oxidation (PA)	%	86	123	122	104

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.3	0.3
Nitration (PA)	%	70	96	99	103
Sulfation (PA)	%	59	75	72	72
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	2	3	5	5
Sodium	ppm	<1	2	2	1
Potassium	ppm	2	1	6	6

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.

WEAR METALS

Iron	ppm	8	18	21	26
Copper	ppm	2	<1	<1	2
Lead	ppm	0	<1	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	2	2	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	58	49	54	69
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	2
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	1044	1243	1768	1328
Magnesium	ppm	913	733	586	895
Zinc	ppm	1127	1084	1239	1363
Phosphorus	ppm	968	960	960	1066
Barium	ppm	0	0	0	0
Boron	ppm	0	3	26	7

Depot: VOLVO5054
Unique No: 11059532
Signed: Sean Felton
Report Date: 04 Jun 2024



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GRAPHS

