



CONSTRUCTION EQUIPMENT

497592 ALTER PEORIA SENNEBOGEN 835M 835.0.2632 - TRANSMISSION



Sample No: VCP431490
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 497592 ALTER PEORIA



SAMPLE INFORMATION

Sample Number	VCP431490	VCP396375	VCP363690	---
Sample Date	15 Mar 2024	06 Oct 2023	25 Oct 2022	---
Machine Hours	9526	8583	6250	---
Oil Hours	1000	2000	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	SEVERE	SEVERE	---

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 @ 40°C	cSt	78.6	83.7	77.2	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	▲ 619	▲ 330	▲ 644	---
Sodium	ppm	■ 4	■ 2	■ 6	---
Potassium	ppm	■ 0	■ 0	■ 0	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental level of silicon (Si) above normal. The fluid is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	■ 11	■ 5	■ 14	---
Copper	ppm	■ 10	■ 9	■ 27	---
Lead	ppm	■ 0	■ 0	■ 0	---
Tin	ppm	■ 0	■ <1	■ <1	---
Aluminum	ppm	■ <1	■ <1	■ 2	---
Chromium	ppm	■ 0	■ 0	■ <1	---
Molybdenum	ppm	■ 45	■ 46	■ 30	---
Nickel	ppm	■ 3	■ 0	■ 2	---
Titanium	ppm	■ 0	■ 0	■ 0	---
Silver	ppm	■ 0	■ 0	■ 0	---
Manganese	ppm	■ 6	■ 5	■ 11	---
Vanadium	ppm	■ <1	■ 0	■ 0	---



ADDITIVES

Calcium	ppm	■ 1299	■ 1218	■ 1393	---
Magnesium	ppm	■ 680	■ 683	■ 304	---
Zinc	ppm	■ 1063	■ 1089	■ 782	---
Phosphorus	ppm	■ 946	■ 1001	■ 1034	---
Barium	ppm	■ 0	■ <1	■ 0	---
Boron	ppm	■ 43	■ 48	■ 103	---

Depot: VOLVO5054
Unique No: 10969546
Signed: Don Baldrige
Report Date: 13 Apr 2024



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GRAPHS

