



CONSTRUCTION EQUIPMENT

SWA333968 JF BRENNAN SENNEBOGEN 850 850.5.212 - DIESEL ENGINE



Sample No: VCP201520D
Oil Type: SHELL ROTELLA T6 5W40
Job No: SWA333968 JF BRENNAN



SAMPLE INFORMATION

Sample Number	VCP201520D	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	678	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: PAUL ELZERMAN
paul.elzerman@altaequipment.com
T: (248)356-5200
F: (248)356-2029

OIL CONDITION

Visc @ 100°C	cSt	▲ 10.8	---	---	---
Base Number (BN)	mg KOH/g	■ 7.8	---	---	---
Oxidation (PA)	%	■ 61	---	---	---

CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 57	---	---	---
Sulfation (PA)	%	■ 57	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	● 10.5	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 6	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1985	---	---	---
Magnesium	ppm	■ 110	---	---	---
Zinc	ppm	■ 1105	---	---	---
Phosphorus	ppm	■ 930	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 170	---	---	---

Depot: VOLVO2990
Unique No: 10603056
Signed: Don Baldrige
Report Date: 15 Aug 2023



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GRAPHS

