



CONSTRUCTION EQUIPMENT

DON JON RECYCLING SENNEBOGEN 830M 830.0.1350 - DIESEL ENGINE



Sample No: VCP424496
Oil Type: {unknown}
Job No: DON JON RECYCLING



SAMPLE INFORMATION

Sample Number	VCP424496	VCP424498	---	---
Sample Date	01 Jun 2023	13 May 2023	---	---
Machine Hours	15051	15050	---	---
Oil Hours	0	110	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

GREEN MACHINE SERVICES LLC
13 SPYROS DRIVE
SOUTH AMBOY, NJ
US 08879
Contact: JOE GRZANKOWSKI
JOE@GREENMSRV.COM
T: (732)673-5920
F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 9.8	● 10.26	---	---
Base Number (BN)	mg KOH/g	■ 6.9	■ 7.6	---	---
Oxidation (PA)	%	49	59	---	---

Diagnosis

We advise that you check for the source of oil entry. 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. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.3	■ 0.3	---	---
Nitration (PA)	%	40	42	---	---
Sulfation (PA)	%	50	53	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	■ 0.2	■ 0.1	---	---
Silicon	ppm	■ 8	■ 5	---	---
Sodium	ppm	■ 2	■ 6	---	---
Potassium	ppm	■ 2	■ 2	---	---

WEAR METALS

Iron	ppm	■ 25	■ 15	---	---
Copper	ppm	■ 4	■ 2	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ <1	■ 1	---	---
Aluminum	ppm	■ <1	■ 2	---	---
Chromium	ppm	■ 1	■ 2	---	---
Molybdenum	ppm	■ 28	■ 29	---	---
Nickel	ppm	■ 0	■ <1	---	---
Titanium	ppm	<1	■ 0	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	<1	■ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 1090	■ 1199	---	---
Magnesium	ppm	■ 276	■ 345	---	---
Zinc	ppm	● 772	■ 878	---	---
Phosphorus	ppm	● 644	■ 766	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 41	■ 42	---	---

Depot: GRESOUNJ
Unique No: 10498434
Signed: Doug Bogart
Report Date: 07 Jun 2023



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GRAPHS

