

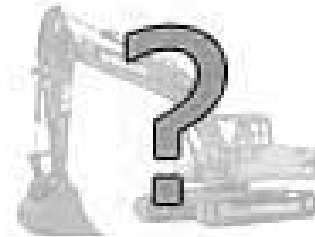


CONSTRUCTION EQUIPMENT

SENNEBOGEN 825 825.0.3440 - DIESEL ENGINE



Sample No: VCP380662
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP380662	VCP380664	VCP327353	VCP370171
Sample Date	21 Jun 2023	01 Jun 2023	11 May 2023	06 Mar 2023
Machine Hours	8426	8146	9927	7035
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	MARGINAL	NORMAL	NORMAL	MARGINAL

UNITED SCRAP
 1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
 rluchten@unitedscrap.com
 T:
 F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.1	█ 12.9	█ 12.7	▲ 12.3
Base Number (BN)	mg KOH/g	█ 7.1	█ 7.2	█ 7.6	█ 8.9
Oxidation (PA)	%	83	72	78	74

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	█ 0.1	█ 0.1	█ 0.1	█ 0.1
Nitration (PA)	%	68	68	67	64
Sulfation (PA)	%	60	58	60	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	▲ 4.2	<1.0	<1.0	▲ 3.4
Silicon	ppm	█ 5	█ 4	█ 3	█ 4
Sodium	ppm	█ 0	█ 2	█ 2	█ 2
Potassium	ppm	█ 0	█ <1	█ 0	█ 1

WEAR METALS

Iron	ppm	█ 2	█ 4	█ 6	█ 8
Copper	ppm	█ 0	█ <1	█ 0	█ <1
Lead	ppm	█ 0	█ 0	█ 0	█ 0
Tin	ppm	█ 0	█ 0	█ <1	█ 0
Aluminum	ppm	█ 2	█ <1	█ 2	█ 2
Chromium	ppm	█ 0	█ <1	█ 0	█ <1
Molybdenum	ppm	█ 67	█ 76	█ 26	█ 35
Nickel	ppm	█ 0	█ <1	█ 0	█ <1
Titanium	ppm	█ 0	█ 0	█ 0	█ 0
Silver	ppm	█ 0	█ 0	█ 0	█ 0
Manganese	ppm	█ 0	█ 0	█ <1	█ <1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	█ 1893	█ 2053	█ 1935	█ 1754
Magnesium	ppm	█ 219	█ 133	█ 335	█ 371
Zinc	ppm	█ 1163	█ 1169	█ 1101	█ 1069
Phosphorus	ppm	█ 1012	█ 979	█ 866	█ 862
Barium	ppm	█ 0	█ 0	█ 0	█ 0
Boron	ppm	█ 55	█ 60	█ 30	█ 47

Depot: UNICICIL
Unique No: 10802536
Signed: Wes Davis
Report Date: 26 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

