

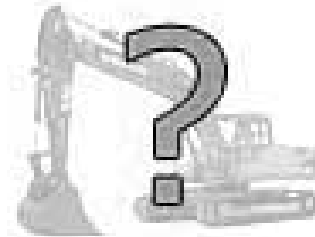


CONSTRUCTION EQUIPMENT

SENNEBOGEN 825 825.0.3324 - DIESEL ENGINE



Sample No: VCP440545
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP440545	VCP406852	VCP406652	VCP327357
Sample Date	28 Mar 2024	12 Dec 2023	20 Jul 2023	20 Jun 2023
Machine Hours	11523	10562	9414	9153
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	ATTENTION	ATTENTION	ATTENTION

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

OIL CONDITION

Visc @ 100°C	cSt	10.7	11.4	11.4	11.6
Base Number (BN)	mg KOH/g	8.0	8.6	6.3	7.0
Oxidation (PA)	%	75	60	88	92

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	60	55	68	67
Sulfation (PA)	%	63	53	60	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	4	4
Sodium	ppm	1	0	0	<1
Potassium	ppm	0	0	0	0

Diagnosis
 Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

WEAR METALS

Iron	ppm	6	3	<1	2
Copper	ppm	<1	0	0	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	2	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	106	60	72	60
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	1366	1108	1943	1817
Magnesium	ppm	682	821	121	297
Zinc	ppm	870	1196	1130	1153
Phosphorus	ppm	711	1004	986	978
Barium	ppm	0	0	0	0
Boron	ppm	234	12	57	51

Depot: UNICICIL
Unique No: 10963160
Signed: Jonathan Hester
Report Date: 09 Apr 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

