

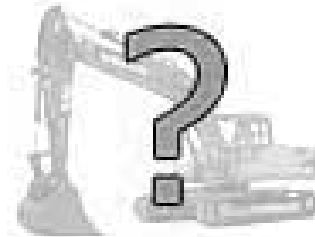


CONSTRUCTION EQUIPMENT

SENNEBOGEN 825M 825.0.2298 - DIESEL ENGINE



Sample No: VCP406654
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP406654	VCP380667	VCP382952	VCP370270
Sample Date	10 Jul 2023	13 May 2023	18 Mar 2023	05 Jan 2023
Machine Hours	19986	19245	18625	17478
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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

OIL CONDITION

Visc @ 100°C	cSt	14.3	13.8	14.0	13.4
Base Number (BN)	mg KOH/g	7.9	9.8	7.9	10.6
Oxidation (PA)	%	65	85	61	81

Diagnosis
 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 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 %	%	0.7	0.8	1	0.5
Nitration (PA)	%	79	69	73	59
Sulfation (PA)	%	57	68	59	64
Glycol	%	NEG	NEG	0.0	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	5	4	4
Sodium	ppm	<1	3	2	2
Potassium	ppm	0	0	2	0

WEAR METALS

Iron	ppm	7	12	16	10
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	3	2	2	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	84	38	17	43
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	2220	1930	2299	1809
Magnesium	ppm	167	462	184	495
Zinc	ppm	1306	1167	1142	1130
Phosphorus	ppm	1114	915	913	929
Barium	ppm	0	0	0	0
Boron	ppm	45	44	16	54

Depot: UNICICIL
Unique No: 10802538
Signed: Wes Davis
Report Date: 22 Dec 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

