



CONSTRUCTION EQUIPMENT

SENNEBOGEN 825 825.0.2121 - DIESEL ENGINE



Sample No: VCP327403
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP327403	VCP367689	VCP355239	VCP360040
Sample Date	21 Nov 2023	15 Nov 2022	07 Oct 2022	06 May 2022
Machine Hours	27521	24547	24250	23133
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	13.9	14.0	15.0	14.0
Base Number (BN)	mg KOH/g	9.1	6.7	8.2	9.4
Oxidation (PA)	%	68	91	78	84

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 %	%	0.6	0.3	0.7	0.4
Nitration (PA)	%	68	85	92	74
Sulfation (PA)	%	59	70	69	66
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	4
Sodium	ppm	0	0	<1	2
Potassium	ppm	3	5	0	<1

WEAR METALS

Iron	ppm	8	11	17	13
Copper	ppm	0	1	2	<1
Lead	ppm	0	<1	3	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	3	2	3
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	83	50	43	64
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1435	2312	2434	1920
Magnesium	ppm	818	342	260	566
Zinc	ppm	1311	1223	1265	1112
Phosphorus	ppm	1086	1006	1026	926
Barium	ppm	0	<1	0	0
Boron	ppm	66	62	35	138

Depot: UNICICIL
Unique No: 10802539
Signed: Wes Davis
Report Date: 22 Dec 2023



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VOLVO GRAPHS

