



CONSTRUCTION EQUIPMENT

SENNEBOGEN 825 825.0.3246 - DIESEL ENGINE



Sample No: VCP327358
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP327358	VCP377276	VCP367679	VCP377150
Sample Date	28 Jun 2023	28 Dec 2022	25 Nov 2022	22 Oct 2022
Machine Hours	5602	3952	3675	22988
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

UNITED SCRAP
 1545 S CICERO AVE
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OIL CONDITION

Visc @ 100°C	cSt	13.5	13.2	13.2	13.5
Base Number (BN)	mg KOH/g	6.8	9.7	10.4	7.7
Oxidation (PA)	%	65	71	64	50

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.5	0.1
Nitration (PA)	%	71	56	62	64
Sulfation (PA)	%	53	58	61	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	3	3
Sodium	ppm	0	2	0	2
Potassium	ppm	0	0	2	1

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.

WEAR METALS

Iron	ppm	2	5	5	6
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	<1	2	2
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	82	37	36	18
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	2
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	2154	1933	2142	2268
Magnesium	ppm	97	411	249	48
Zinc	ppm	1258	1138	1088	1067
Phosphorus	ppm	1056	920	912	872
Barium	ppm	0	0	<1	2
Boron	ppm	58	51	60	16

Depot: UNICICIL
Unique No: 10802534
Signed: Wes Davis
Report Date: 22 Dec 2023



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VOLVO GRAPHS

