



CONSTRUCTION EQUIPMENT

SENNEBOGEN 825 825.0.2194 - DIESEL ENGINE



Sample No: VCP441415
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP441415	VCP370235	VCP400821	VCP367604
Sample Date	17 Nov 2023	20 May 2023	13 Mar 2023	30 Nov 2022
Machine Hours	25464	23494	22685	21696
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	MARGINAL	NORMAL	NORMAL	NORMAL

UNITED SCRAP

1545 S CICERO AVE
 CICERO, IL
 US 60804
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OIL CONDITION

Visc @ 100°C	cSt	13.7	13.8	13.5	13.9
Base Number (BN)	mg KOH/g	8.7	8.7	9.0	8.1
Oxidation (PA)	%	70	66	73	60

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 %	%	0.5	0.3	0.4	0.2
Nitration (PA)	%	71	75	67	73
Sulfation (PA)	%	60	57	60	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	4	5
Sodium	ppm	7	3	3	0
Potassium	ppm	▲ 16	4	4	2



WEAR METALS

Iron	ppm	9	6	9	10
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	<1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	76	76	31	44
Nickel	ppm	0	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1838	2157	1921	2086
Magnesium	ppm	504	182	340	434
Zinc	ppm	1334	1217	1117	1206
Phosphorus	ppm	979	1014	898	982
Barium	ppm	0	0	0	0
Boron	ppm	49	45	32	52

Depot: UNICICIL
Unique No: 10755224
Signed: Jonathan Hester
Report Date: 27 Nov 2023



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GRAPHS

