



CONSTRUCTION EQUIPMENT

SPM688436 SENNEBOGEN 835ME 835.0.3070 - DIESEL ENGINE



Sample No: VCP427248
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM688436



SAMPLE INFORMATION

Sample Number	VCP427248	VCP433797	VCP423198	VCP411398
Sample Date	22 Mar 2024	11 Jan 2024	27 Oct 2023	11 Aug 2023
Machine Hours	3312	3166	2632	2080
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BELSON STEEL
1685 N STATE RTE 50
BOURBONNAIS, IL
US 60914
Contact: M. POZAN
mpozan@belsonsteel.com
T: (815)932-7416
F:

OIL CONDITION

Visc @ 100°C	cSt	12.5	12.8	13.2	13.5
Base Number (BN)	mg KOH/g	9.0	8.9	8.4	8.9
Oxidation (PA)	%	73	70	71	67

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 %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	74	71	73	69
Sulfation (PA)	%	56	55	55	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	3	3
Sodium	ppm	<1	<1	2	1
Potassium	ppm	<1	4	14	15

WEAR METALS

Iron	ppm	9	8	9	7
Copper	ppm	3	2	2	1
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	1	5	5
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	59	59	60	60
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	<1	<1	<1

ADDITIVES

Calcium	ppm	1112	947	1029	1074
Magnesium	ppm	974	873	1016	996
Zinc	ppm	1192	1139	1315	1245
Phosphorus	ppm	1008	899	991	1004
Barium	ppm	0	1	0	0
Boron	ppm	6	0	0	0

Depot: BELBOU
Unique No: 10989324
Signed: Wes Davis
Report Date: 22 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

