



CONSTRUCTION EQUIPMENT

SPM673743 SENNEBOGEN 835ME 835.0.2845 - DIESEL ENGINE



Sample No: VCP437162
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM673743



SAMPLE INFORMATION

Sample Number	VCP437162	VCP433412	VCP406647	VCP396692
Sample Date	07 Feb 2024	10 Nov 2023	04 Aug 2023	24 May 2023
Machine Hours	6681	6152	5542	5027
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	MARGINAL	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	12.4	13.3	13.8	13.7
Base Number (BN)	mg KOH/g	8.6	7.9	8.2	8.9
Oxidation (PA)	%	71	72	71	71

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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 %	%	0.1	0.2	0.2	0.1
Nitration (PA)	%	72	77	74	72
Sulfation (PA)	%	55	56	55	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	3.9	<1.0	<1.0	<1.0
Silicon	ppm	3	8	3	1
Sodium	ppm	<1	27	2	<1
Potassium	ppm	3	<1	3	<1

WEAR METALS

Iron	ppm	7	8	7	4
Copper	ppm	1	<1	<1	0
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	1	3	3	5
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	56	56	62	60
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	0
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	934	1073	1084	1084
Magnesium	ppm	858	926	1018	1019
Zinc	ppm	1115	1233	1341	1280
Phosphorus	ppm	883	1020	1066	1014
Barium	ppm	1	0	0	0
Boron	ppm	0	1	<1	0

Depot: BELBOU
Unique No: 10899663
Signed: Wes Davis
Report Date: 29 Feb 2024



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GRAPHS

