



CONSTRUCTION EQUIPMENT

SPM646361 SENNEBOGEN 835E 835.0.3239 - DIESEL ENGINE



Sample No: VCP433388
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM646361



SAMPLE INFORMATION

Sample Number	VCP433388	---	---	---
Sample Date	17 Dec 2023	---	---	---
Machine Hours	547	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 11.0	---	---	---
Base Number (BN)	mg KOH/g	■ 5.8	---	---	---
Oxidation (PA)	%	71	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	86	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.1	---	---	---
Silicon	ppm	■ 16	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 51	---	---	---

WEAR METALS

Iron	ppm	■ 18	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 16	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 74	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 6	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 2059	---	---	---
Magnesium	ppm	■ 111	---	---	---
Zinc	ppm	■ 1179	---	---	---
Phosphorus	ppm	■ 913	---	---	---
Barium	ppm	■ 4	---	---	---
Boron	ppm	■ 45	---	---	---

Depot: BELBOU
Unique No: 10792847
Signed: Wes Davis
Report Date: 21 Dec 2023



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GRAPHS

