



CONSTRUCTION EQUIPMENT

SPM702747 MIM SENNEBOGEN 825M 825.0.3853 - DIESEL ENGINE



Sample No: VCP446132
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM702747 MIM



SAMPLE INFORMATION

Sample Number	VCP446132	VCP429077	VCP419510	---
Sample Date	29 Apr 2024	10 Nov 2023	25 Jul 2023	---
Machine Hours	1073	1073	636	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:

OIL CONDITION

Visc @ 100°C	cSt	■ 12.7	■ 13.8	▲ 10.8	---
Base Number (BN)	mg KOH/g	■ 8.7	■ 8.2	■ 7.7	---
Oxidation (PA)	%	60	65	73	---

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	---
Soot %	%	■ 0.1	■ 0.1	■ 0.2	---
Nitration (PA)	%	59	55	65	---
Sulfation (PA)	%	52	54	59	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	▲ 2.4	---
Silicon	ppm	■ 3	■ 4	■ 23	---
Sodium	ppm	■ 2	■ 0	■ 0	---
Potassium	ppm	■ 0	■ 2	■ 2	---

WEAR METALS

Iron	ppm	■ 10	■ 10	■ 21	---
Copper	ppm	■ 1	■ 3	■ 15	---
Lead	ppm	■ 0	■ 0	■ 0	---
Tin	ppm	■ 0	■ 0	■ <1	---
Aluminum	ppm	■ <1	■ 2	■ 1	---
Chromium	ppm	■ 0	■ 0	■ <1	---
Molybdenum	ppm	■ 60	■ 67	■ 64	---
Nickel	ppm	■ 0	■ 0	■ <1	---
Titanium	ppm	■ 0	■ <1	■ <1	---
Silver	ppm	■ 0	■ 0	■ <1	---
Manganese	ppm	■ <1	■ 0	■ 3	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	■ 1109	■ 1161	■ 1713	---
Magnesium	ppm	■ 1024	■ 981	■ 395	---
Zinc	ppm	■ 1254	■ 1298	■ 1181	---
Phosphorus	ppm	■ 1064	■ 1098	■ 975	---
Barium	ppm	■ 0	■ 0	■ 7	---
Boron	ppm	■ 0	■ 5	■ 135	---

Depot: VOLVO8885
Unique No: 11029621
Signed: Wes Davis
Report Date: 14 May 2024



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GRAPHS

