



CONSTRUCTION EQUIPMENT

SWA519518-10 ALTER Q SENNEBOGEN 825 825.0.4093 - DIESEL ENGINE



Sample No: VCP434045
Oil Type: SHELL 15W40
Job No: SWA519518-10 ALTER Q



SAMPLE INFORMATION

Sample Number	VCP434045	---	---	---
Sample Date	01 Apr 2024	---	---	---
Machine Hours	193	---	---	---
Oil Hours	193	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
BLOOMINGTON, IL
US 61705

Contact: JUSTIN PERRY
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OIL CONDITION

Visc @ 100°C	cSt	▲ 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 7.1	---	---	---
Oxidation (PA)	%	55	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.2	---	---	---
Silicon	ppm	■ 23	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 9	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 69	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2130	---	---	---
Magnesium	ppm	■ 53	---	---	---
Zinc	ppm	■ 1022	---	---	---
Phosphorus	ppm	■ 941	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 66	---	---	---

Depot: VOLVO5054
Unique No: 10968740
Signed: Angela Borella
Report Date: 15 Apr 2024



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GRAPHS

