



CONSTRUCTION EQUIPMENT

STEMBERG CONSTR VOLVO A25D 15269 - DIESEL ENGINE



Sample No: VCP346325
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: STEMBERG CONSTR



SAMPLE INFORMATION

Sample Number	VCP346325	---	---	---
Sample Date	11 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	50	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

TRI-STATE TRUCK & EQUIP INC MAIN
 PO BOX 1298
 BILLINGS, MT
 US 59103
 Contact: MIKE HOLLIDAY
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OIL CONDITION

Visc @ 100°C	cSt	● 11.8	---	---	---
Base Number (BN)	mg KOH/g	■ 9.2	---	---	---
Oxidation (PA)	%	■ 64	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 43	---	---	---
Sulfation (PA)	%	■ 55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.9	---	---	---
Silicon	ppm	▲ 32	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 5	---	---	---



WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 43	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1813	---	---	---
Magnesium	ppm	■ 411	---	---	---
Zinc	ppm	■ 892	---	---	---
Phosphorus	ppm	■ 781	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 66	---	---	---

Depot: VOLVO0104
Unique No: 10943356
Signed: Don Baldrige
Report Date: 28 Mar 2024



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GRAPHS

