



CONSTRUCTION EQUIPMENT

566438 RENTALS VOLVO A25G 752786 - DIESEL ENGINE



Sample No: VCP454771
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 566438 RENTALS



SAMPLE INFORMATION

Sample Number	VCP454771	---	---	---
Sample Date	21 May 2024	---	---	---
Machine Hours	1097	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 100°C	cSt	● 11.1	---	---	---
Base Number (BN)	mg KOH/g	■ 5.4	---	---	---
Oxidation (PA)	%	65	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Valve wear is indicated. 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 %	%	■ 0.4	---	---	---
Nitration (PA)	%	83	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	▲ 28	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	■ 29	---	---	---
Copper	ppm	■ 122	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 80	---	---	---
Nickel	ppm	▲ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 2	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2205	---	---	---
Magnesium	ppm	112	---	---	---
Zinc	ppm	■ 1193	---	---	---
Phosphorus	ppm	■ 1006	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 33	---	---	---

Depot: VOLVO0095
Unique No: 11048160
Signed: Sean Felton
Report Date: 30 May 2024



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GRAPHS

