



CONSTRUCTION EQUIPMENT

433891 PATRICK OHMST VOLVO SD25D 194145 - DIESEL ENGINE



Sample No: VCP368738
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 433891 PATRICK OHMST



SAMPLE INFORMATION

Sample Number	VCP368738	---	---	---
Sample Date	11 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 100°C	cSt	▲ 11.7	---	---	---
Base Number (BN)	mg KOH/g	■ 9.2	---	---	---
Oxidation (PA)	%	■ 61	---	---	---

Diagnosis

The oil 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. There is no indication of any contamination in the oil. 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 %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 53	---	---	---
Sulfation (PA)	%	■ 53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 2.8	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	■ 9	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 54	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1704	---	---	---
Magnesium	ppm	■ 405	---	---	---
Zinc	ppm	■ 1068	---	---	---
Phosphorus	ppm	■ 960	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 3	---	---	---

Depot: VOLVO0142
Unique No: 10896437
Signed: Jonathan Hester
Report Date: 28 Feb 2024



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GRAPHS

