



CONSTRUCTION EQUIPMENT

SWA548445-20 VOLVO L60H 2528 - DIESEL ENGINE



Sample No: VCP430326
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA548445-20



SAMPLE INFORMATION

Sample Number	VCP430326	---	---	---
Sample Date	17 May 2024	---	---	---
Machine Hours	2053	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT

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



OIL CONDITION

Visc @ 100°C	cSt	● 12.3	---	---	---
Base Number (BN)	mg KOH/g	■ 10.3	---	---	---
Oxidation (PA)	%	82	---	---	---

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. The aluminum level is abnormal. All other 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)	%	57	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 14	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 20	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 41	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1833	---	---	---
Magnesium	ppm	■ 547	---	---	---
Zinc	ppm	■ 1217	---	---	---
Phosphorus	ppm	■ 1038	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 73	---	---	---

Depot: VOLVO0142
Unique No: 11048158
Signed: Sean Felton
Report Date: 31 May 2024



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GRAPHS

