



CONSTRUCTION EQUIPMENT

W07013503-1 MINORITY VOLVO L50H 4323144 - DIESEL ENGINE



Sample No: VCP409364
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W07013503-1 MINORITY



SAMPLE INFORMATION

Sample Number	VCP409364	---	---	---
Sample Date	09 Oct 2023	---	---	---
Machine Hours	536	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 100°C	cSt	▲ 10.8	---	---	---
Base Number (BN)	mg KOH/g	■ 7.9	---	---	---
Oxidation (PA)	%	78	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.4	---	---	---
Silicon	ppm	■ 33	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 97	---	---	---
Copper	ppm	■ 22	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 23	---	---	---
Chromium	ppm	■ 9	---	---	---
Molybdenum	ppm	■ 36	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1421	---	---	---
Magnesium	ppm	■ 560	---	---	---
Zinc	ppm	■ 1047	---	---	---
Phosphorus	ppm	■ 868	---	---	---
Barium	ppm	■ 5	---	---	---
Boron	ppm	■ 45	---	---	---

Depot: VOLVO8882
Unique No: 10697598
Signed: Don Baldrige
Report Date: 18 Oct 2023



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GRAPHS

