



CONSTRUCTION EQUIPMENT

527088-10 VOLVO L150G 22536 - DIESEL ENGINE



Sample No: VCP428590
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 527088-10



SAMPLE INFORMATION

Sample Number	VCP428590	VCP434870	VCE160018	---
Sample Date	17 Apr 2024	26 Aug 2023	11 Jun 2012	---
Machine Hours	17290	16482	294	---
Oil Hours	500	0	294	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

MR BULTS INC
 SULLIVAN COUNTY LANDFILL
 MONTICELLO, NY
 US 12701
 Contact:

OIL CONDITION

Visc @ 100°C	cSt	▲ 10.8	■ 13.4	11.15	---
Base Number (BN)	mg KOH/g	■ 8.9	■ 10.6	---	---
Oxidation (PA)	%	72	81	■ 44	---

T: (208)324-7148
 F:

Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Valve wear is indicated. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	■ 0.8	■ 1.2	■ 0.8	---
Nitration (PA)	%	68	67	■ 50	---
Sulfation (PA)	%	59	65	■ 50	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	▲ 6.7	<1.0	<1.0	---
Silicon	ppm	■ 7	■ 8	■ 4	---
Sodium	ppm	■ 3	■ 4	■ 34	---
Potassium	ppm	■ 0	■ <1	■ 2	---

WEAR METALS

Iron	ppm	■ 14	■ 14	■ 20	---
Copper	ppm	■ 5	■ 2	■ 2	---
Lead	ppm	■ <1	■ 0	■ 2	---
Tin	ppm	■ <1	■ <1	■ <1	---
Aluminum	ppm	■ 7	■ 6	■ 2	---
Chromium	ppm	■ <1	■ <1	■ 1	---
Molybdenum	ppm	■ 68	■ 43	■ 40	---
Nickel	ppm	▲ 14	■ 3	■ <1	---
Titanium	ppm	<1	0	■ 2	---
Silver	ppm	■ 0	■ 0	■ 0	---
Manganese	ppm	■ <1	■ <1	■ <1	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	■ 1447	■ 1783	1296	---
Magnesium	ppm	■ 640	■ 564	704	---
Zinc	ppm	■ 1010	■ 1140	■ 1038	---
Phosphorus	ppm	■ 855	■ 919	■ 938	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 39	■ 41	■ 14	---

Depot: MRBMONNY
Unique No: 11003241
Signed: Jonathan Hester
Report Date: 01 May 2024



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GRAPHS

