



CONSTRUCTION EQUIPMENT

9804 VOLVO L90H 626689 - DIESEL ENGINE



Sample No: VCP423111
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 9804



SAMPLE INFORMATION

Sample Number	VCP423111	---	---	---
Sample Date	25 Oct 2023	---	---	---
Machine Hours	624	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

IAA - INSURANCE AUTO AUCTIONS - METRO DC
 14149 BRANDYWINE RD
 BRANDYWINE, MD
 US 20613
 Contact:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	72	---	---	---

T:
F:

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.9	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

Iron	ppm	█ 37	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 33	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 36	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1442	---	---	---
Magnesium	ppm	█ 608	---	---	---
Zinc	ppm	█ 1123	---	---	---
Phosphorus	ppm	█ 940	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 44	---	---	---

Depot: INSBRANDM
Unique No: 10714692
Signed: Wes Davis
Report Date: 31 Oct 2023



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GRAPHS

