



CONSTRUCTION EQUIPMENT

9725 VOLVO L90H 626893 - DIESEL ENGINE



Sample No: VCP414937
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 9725



SAMPLE INFORMATION

Sample Number	VCP414937	---	---	---
Sample Date	04 Oct 2023	---	---	---
Machine Hours	630	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

IAA - INSURANCE AUTO AUCTIONS - ELKTON
 183 ZEITLER RD
 ELKTON, MD
 US 21921
 Contact: Service Manager

OIL CONDITION

Visc @ 100°C	cSt	▲ 11.5	---	---	---
Base Number (BN)	mg KOH/g	■ 8.8	---	---	---
Oxidation (PA)	%	68	---	---	---

T:
F:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. 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 %	%	■ 0.5	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 2.8	---	---	---
Silicon	ppm	■ 18	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

Iron	ppm	■ 31	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 13	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 41	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1411	---	---	---
Magnesium	ppm	■ 575	---	---	---
Zinc	ppm	■ 1068	---	---	---
Phosphorus	ppm	■ 907	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 32	---	---	---

Depot: IAAELK
Unique No: 10687278
Signed: Jonathan Hester
Report Date: 13 Oct 2023



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GRAPHS

