



CONSTRUCTION EQUIPMENT

A10548 VOLVO L110H 632555 - DIESEL ENGINE



Sample No: VCP399908
Oil Type: MOBIL 15W40
Job No: A10548



SAMPLE INFORMATION

Sample Number	VCP399908	---	---	---
Sample Date	26 Jun 2023	---	---	---
Machine Hours	885	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HMR ASSOCIATES
 PO BOX 485
 TOUGHKENAMON, PA
 US 19374
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	76	---	---	---

T:
 F: (610)268-2225

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



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	58	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.2	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 23	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 32	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 43	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1574	---	---	---
Magnesium	ppm	█ 645	---	---	---
Zinc	ppm	█ 1161	---	---	---
Phosphorus	ppm	█ 962	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 49	---	---	---

Depot: HMRTOU
Unique No: 10536811
Signed: Angela Borella
Report Date: 06 Jul 2023



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GRAPHS

