



CONSTRUCTION EQUIPMENT

W0229933 VOLVO L90E 617271 - DIESEL ENGINE



Sample No: VCP293944
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W0229933



SAMPLE INFORMATION

Sample Number	VCP293944	---	---	---
Sample Date	07 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	22067	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	67	---	---	---

Diagnosis

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 suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 123	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1436	---	---	---
Magnesium	ppm	█ 597	---	---	---
Zinc	ppm	█ 815	---	---	---
Phosphorus	ppm	█ 774	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 353	---	---	---

Depot: VOLVO0081
Unique No: 10874266
Signed: Wes Davis
Report Date: 13 Feb 2024



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GRAPHS

