



CONSTRUCTION EQUIPMENT

225202 IAA VOLVO L90H 626669 - DIESEL ENGINE



Sample No: VCP424163
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 225202 IAA



SAMPLE INFORMATION

Sample Number	VCP424163	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	843	---	---	---
Oil Hours	843	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 9.0	---	---	---
Oxidation (PA)	%	75	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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 %	%	█ 0.5	---	---	---
Nitration (PA)	%	67	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 41	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 30	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1730	---	---	---
Magnesium	ppm	█ 610	---	---	---
Zinc	ppm	█ 1172	---	---	---
Phosphorus	ppm	█ 956	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 37	---	---	---

Depot: VOLVO1271
Unique No: 10661529
Signed: Wes Davis
Report Date: 26 Sep 2023



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GRAPHS

