



CONSTRUCTION EQUIPMENT

132434 AMR VOLVO L90H 626969 - DIESEL ENGINE



Sample No: VCE156650
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 132434 AMR



SAMPLE INFORMATION

Sample Number	VCE156650	---	---	---
Sample Date	16 Nov 2023	---	---	---
Machine Hours	246	---	---	---
Oil Hours	246	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 KANSAS CITY, KS
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 10.3	---	---	---
Oxidation (PA)	%	74	---	---	---

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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1529	---	---	---
Magnesium	ppm	█ 570	---	---	---
Zinc	ppm	█ 1111	---	---	---
Phosphorus	ppm	█ 944	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 61	---	---	---

Depot: VOLVO0111
Unique No: 10780916
Signed: Wes Davis
Report Date: 12 Dec 2023



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GRAPHS

