



CONSTRUCTION EQUIPMENT

SW-28777-2 AMCOR VOLVO L110H 632720 - DIESEL ENGINE



Sample No: VCP438069
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-28777-2 AMCOR



SAMPLE INFORMATION

Sample Number	VCP438069	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	1250	---	---	---
Oil Hours	1250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	73	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 37	---	---	---
Copper	ppm	█ 32	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 25	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1482	---	---	---
Magnesium	ppm	729	---	---	---
Zinc	ppm	█ 1242	---	---	---
Phosphorus	ppm	█ 1064	---	---	---
Barium	ppm	█ 12	---	---	---
Boron	ppm	█ 28	---	---	---

Depot: VOLVO8770
Unique No: 10836663
Signed: Angela Borella
Report Date: 23 Jan 2024



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GRAPHS

