



CONSTRUCTION EQUIPMENT

9549 EARTHMOVERS BROCE BROOM BB-250-B-BRC 305014 - DIESEL ENGINE



Sample No: VCP438972
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: 9549 EARTHMOVERS



SAMPLE INFORMATION

Sample Number	VCP438972	---	---	---
Sample Date	16 Jan 2024	---	---	---
Machine Hours	578	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	58	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected 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 %	%	█ 0.4	---	---	---
Nitration (PA)	%	75	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.2	---	---	---
Silicon	ppm	█ 44	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 54	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 65	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1424	---	---	---
Magnesium	ppm	█ 947	---	---	---
Zinc	ppm	█ 1320	---	---	---
Phosphorus	ppm	█ 1099	---	---	---
Barium	ppm	█ 11	---	---	---
Boron	ppm	█ 7	---	---	---

Depot: VOLVO0093
Unique No: 10836656
Signed: Wes Davis
Report Date: 23 Jan 2024



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GRAPHS

