



CONSTRUCTION EQUIPMENT

SPM673894-10 VOLVO EC350EL 314716 - DIESEL ENGINE



Sample No: VCP436713
Oil Type: {unknown}
Job No: SPM673894-10



SAMPLE INFORMATION

Sample Number	VCP436713	---	---	---
Sample Date	15 Feb 2024	---	---	---
Machine Hours	671	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 10.8	---	---	---
Base Number (BN)	mg KOH/g	█ 5.3	---	---	---
Oxidation (PA)	%	65	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	76	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.5	---	---	---
Silicon	ppm	█ 26	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 13	---	---	---
Copper	ppm	▲ 268	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 84	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2082	---	---	---
Magnesium	ppm	█ 150	---	---	---
Zinc	ppm	█ 1266	---	---	---
Phosphorus	ppm	█ 1028	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 16	---	---	---

Depot: VOLVO0090
Unique No: 10887543
Signed: Don Baldrige
Report Date: 22 Feb 2024



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GRAPHS

