



CONSTRUCTION EQUIPMENT

SPM688040 CENTRAL BO VOLVO ECR305C 110712 - DIESEL ENGINE



Sample No: VCP443699
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM688040 CENTRAL BO



SAMPLE INFORMATION

Sample Number	VCP443699	---	---	---
Sample Date	20 Mar 2024	---	---	---
Machine Hours	7729	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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T:
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 7.5	---	---	---
Oxidation (PA)	%	53	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 %	%	█ 0.2	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	48	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 19	---	---	---



WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 77	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 2	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2029	---	---	---
Magnesium	ppm	█ 221	---	---	---
Zinc	ppm	█ 1259	---	---	---
Phosphorus	ppm	█ 881	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 45	---	---	---

Depot: VOLVO5055
Unique No: 10949732
Signed: Don Baldrige
Report Date: 29 Mar 2024



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GRAPHS

