



CONSTRUCTION EQUIPMENT

8112 VOLVO ECR235E 316178 - DIESEL ENGINE



Sample No: VCP418744
Oil Type: MOBIL/VOLVO 15W40
Job No: 8112



SAMPLE INFORMATION

Sample Number	VCP418744	---	---	---
Sample Date	28 Mar 2024	---	---	---
Machine Hours	194	---	---	---
Oil Hours	194	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 6.1	---	---	---
Oxidation (PA)	%	50	---	---	---

Diagnosis

Resample at the next service interval to monitor. (possible oil consumption). 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 7	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2408	---	---	---
Magnesium	ppm	█ 120	---	---	---
Zinc	ppm	█ 1214	---	---	---
Phosphorus	ppm	█ 983	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 7	---	---	---

Depot: VOLVO0002
Unique No: 10963924
Signed: Don Baldrige
Report Date: 06 Apr 2024



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GRAPHS

