



CONSTRUCTION EQUIPMENT

A10523 RENTAL VOLVO ECR235E 315365 - DIESEL ENGINE



Sample No: VCP416839
Oil Type: MOBIL 15W40
Job No: A10523 RENTAL



SAMPLE INFORMATION

Sample Number	VCP416839	---	---	---
Sample Date	05 Jul 2023	---	---	---
Machine Hours	955	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HOFFMAN EQUIPMENT - LIONVILLE
120 GORDON DRIVE
LIONVILLE, PA
US 19341
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OIL CONDITION

Visc @ 100°C	cSt	█ 14.0	---	---	---
Base Number (BN)	mg KOH/g	█ 7.2	---	---	---
Oxidation (PA)	%	78	---	---	---

Diagnosis

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 suitable for further service.



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	77	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 43	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 83	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1628	---	---	---
Magnesium	ppm	█ 660	---	---	---
Zinc	ppm	█ 1431	---	---	---
Phosphorus	ppm	█ 1150	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 120	---	---	---

Depot: VOLVO8879
Unique No: 10559740
Signed: Wes Davis
Report Date: 16 Jul 2023



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GRAPHS

