



CONSTRUCTION EQUIPMENT

A12512 GEN ASPHALT VOLVO ECR235E 314290 - DIESEL ENGINE



Sample No: VCP446407
Oil Type: MOBIL 15W40
Job No: A12512 GEN ASPHALT



SAMPLE INFORMATION

Sample Number	VCP446407	VCP285648	---	---
Sample Date	21 Apr 2024	05 Oct 2020	---	---
Machine Hours	2515	730	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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

Visc @ 100°C	cSt	█ 13.1	█ 13.8	---	---
Base Number (BN)	mg KOH/g	█ 7.7	---	---	---
Oxidation (PA)	%	67	57	---	---

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	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	74	70	---	---
Sulfation (PA)	%	54	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 9	█ 11	---	---
Sodium	ppm	█ 4	█ <1	---	---
Potassium	ppm	█ 2	█ 4	---	---



WEAR METALS

Iron	ppm	█ 40	█ 26	---	---
Copper	ppm	█ 2	█ 10	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 1	█ 3	---	---
Aluminum	ppm	█ 5	█ 0	---	---
Chromium	ppm	█ 2	█ 3	---	---
Molybdenum	ppm	█ 60	█ 4	---	---
Nickel	ppm	█ <1	█ 9	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ 1	█ 4	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1805	█ 2295	---	---
Magnesium	ppm	█ 663	█ 58	---	---
Zinc	ppm	█ 1454	█ 1108	---	---
Phosphorus	ppm	█ 1233	█ 956	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 34	█ 15	---	---

Depot: VOLVO8879
Unique No: 10996691
Signed: Wes Davis
Report Date: 29 Apr 2024



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GRAPHS

