



CONSTRUCTION EQUIPMENT

67883 N. AL MATERIAL VOLVO L220H 2087 - DIESEL ENGINE



Sample No: VCP416339
Oil Type: NOT GIVEN
Job No: 67883 N. AL MATERIAL



COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE
15101 ALABAMA HWY 20
MADISON, AL
US 35756
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SAMPLE INFORMATION

Sample Number	VCP416339	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	8182	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.0	---	---	---
Oxidation (PA)	%	83	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 51	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1520	---	---	---
Magnesium	ppm	█ 469	---	---	---
Zinc	ppm	█ 1052	---	---	---
Phosphorus	ppm	█ 893	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 65	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 40 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. 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.

Depot: COWMAD
Unique No: 10778863
Signed: Wes Davis
Report Date: 09 Dec 2023



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GRAPHS

