



CONSTRUCTION EQUIPMENT

MIDSOUTH JOHN DEERE SKIDSTEER NOT GIVEN VCP414344 - DIESEL ENGINE



Sample No: VCP414344
Oil Type: NOT GIVEN
Job No: MIDSOUTH



SAMPLE INFORMATION

Sample Number	VCP414344	---	---	---
Sample Date	23 Oct 2023	---	---	---
Machine Hours	1536	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE
15101 ALABAMA HWY 20
MADISON, AL
US 35756
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 7.5	---	---	---
Oxidation (PA)	%	88	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity 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.



CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	80	---	---	---
Sulfation (PA)	%	66	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 21	---	---	---
Copper	ppm	█ 66	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 149	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1529	---	---	---
Magnesium	ppm	█ 570	---	---	---
Zinc	ppm	█ 956	---	---	---
Phosphorus	ppm	772	---	---	---
Barium	ppm	█ 5	---	---	---
Boron	ppm	█ 274	---	---	---

Depot: COWMAD
Unique No: 10724925
Signed: Wes Davis
Report Date: 03 Nov 2023



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GRAPHS

