



CONSTRUCTION EQUIPMENT

66674 MIDSOUTH P CATERPILLAR ROLLER NOT GIVEN VCP414346 - DIESEL ENGINE



Sample No: VCP414346
Oil Type: NOT GIVEN
Job No: 66674 MIDSOUTH P



SAMPLE INFORMATION

Sample Number	VCP414346	---	---	---
Sample Date	23 Oct 2023	---	---	---
Machine Hours	771	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	80	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 2.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1717	---	---	---
Magnesium	ppm	█ 426	---	---	---
Zinc	ppm	█ 1094	---	---	---
Phosphorus	ppm	█ 894	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 77	---	---	---

Depot: COWMAD
Unique No: 10724916
Signed: Wes Davis
Report Date: 06 Nov 2023



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GRAPHS

