



CONSTRUCTION EQUIPMENT

294 JOHN DEERE 333206 - DIESEL ENGINE



Sample No: VCP423072
Oil Type: SHELL ROTELLA T 15W40
Job No: 294



SAMPLE INFORMATION

Sample Number	VCP423072	---	---	---
Sample Date	07 Sep 2023	---	---	---
Machine Hours	6629	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

TOTAL DEVELOPMENT SOLUTIONS LLC
 7805 PROGRESS CT
 GAINESVILLE, VA
 US 20155
 Contact: JOE SEALE
 jseale@totaldevelopmentsolutions.com
 T: (703)222-0497
 F: (703)753-4586



OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	65	---	---	---

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

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1904	---	---	---
Magnesium	ppm	█ 245	---	---	---
Zinc	ppm	█ 1149	---	---	---
Phosphorus	ppm	█ 922	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 112	---	---	---

Depot: TOTGAI
Unique No: 10656957
Signed: Wes Davis
Report Date: 21 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

