



CONSTRUCTION EQUIPMENT

368 JOHN DEERE 814867 - DIESEL ENGINE



Sample No: VCP408584
Oil Type: SHELL ROTELLA T 15W40
Job No: 368



SAMPLE INFORMATION

Sample Number	VCP408584	---	---	---
Sample Date	19 Oct 2023	---	---	---
Machine Hours	4805	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 7.4	---	---	---
Oxidation (PA)	%	59	---	---	---

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 46	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 33	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1859	---	---	---
Magnesium	ppm	█ 198	---	---	---
Zinc	ppm	█ 1112	---	---	---
Phosphorus	ppm	█ 806	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 55	---	---	---

Depot: TOTGAI
Unique No: 10735819
Signed: Sean Felton
Report Date: 10 Nov 2023



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GRAPHS

