



# CONSTRUCTION EQUIPMENT

## 294 JOHN DEERE 333206 - REAR LEFT FINAL DRIVE



**Sample No:** VCP423064  
**Oil Type:** DRYDENE LIMITED SLIP GEAR 80W90  
**Job No:** 294



### SAMPLE INFORMATION

Sample Number	VCP423064	---	---	---
Sample Date	07 Sep 2023	---	---	---
Machine Hours	6629	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 146	---	---	---
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### CONTAMINATION

Silicon	ppm	◆ 335	---	---	---
Sodium	ppm	█ 14	---	---	---
Potassium	ppm	█ 17	---	---	---



### WEAR METALS

Iron	ppm	◆ 1603	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 90	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 7	---	---	---
Titanium	ppm	█ 11	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	11	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 212	---	---	---
Magnesium	ppm	█ 28	---	---	---
Zinc	ppm	█ 159	---	---	---
Phosphorus	ppm	█ 727	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 49	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** TOTGAI  
**Unique No:** 10657265  
**Signed:** Sean Felton  
**Report Date:** 21 Sep 2023



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## GRAPHS

