



CONSTRUCTION EQUIPMENT

363 JOHN DEERE 814432 - FRONT LEFT FINAL DRIVE



Sample No: VCP397839
Oil Type: DRYDENE LIMITED SLIP GEAR 80W90
Job No: 363



SAMPLE INFORMATION

Sample Number	VCP397839	VCP310967	---	---
Sample Date	10 May 2024	05 Apr 2021	---	---
Machine Hours	6701	1507	---	---
Oil Hours	1000	1507	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	SEVERE	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 139	█ 189	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	▲ 300	█ 22	---	---
Sodium	ppm	█ 6	█ 2	---	---
Potassium	ppm	█ 17	█ <1	---	---

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 recommend an early resample to monitor this condition. All component wear rates are normal. 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.



WEAR METALS

Iron	ppm	█ 731	█ 280	---	---
Copper	ppm	█ 1	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	<1	---	---
Aluminum	ppm	● 101	█ 6	---	---
Chromium	ppm	█ 8	█ 5	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ <1	<1	---	---
Titanium	ppm	7	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	8	5	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 67	█ 28	---	---
Magnesium	ppm	█ 16	█ 1	---	---
Zinc	ppm	█ 22	█ 23	---	---
Phosphorus	ppm	█ 349	█ 469	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 15	█ 86	---	---

Depot: TOTGAI
Unique No: 11059194
Signed: Don Baldrige
Report Date: 04 Jun 2024



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GRAPHS

