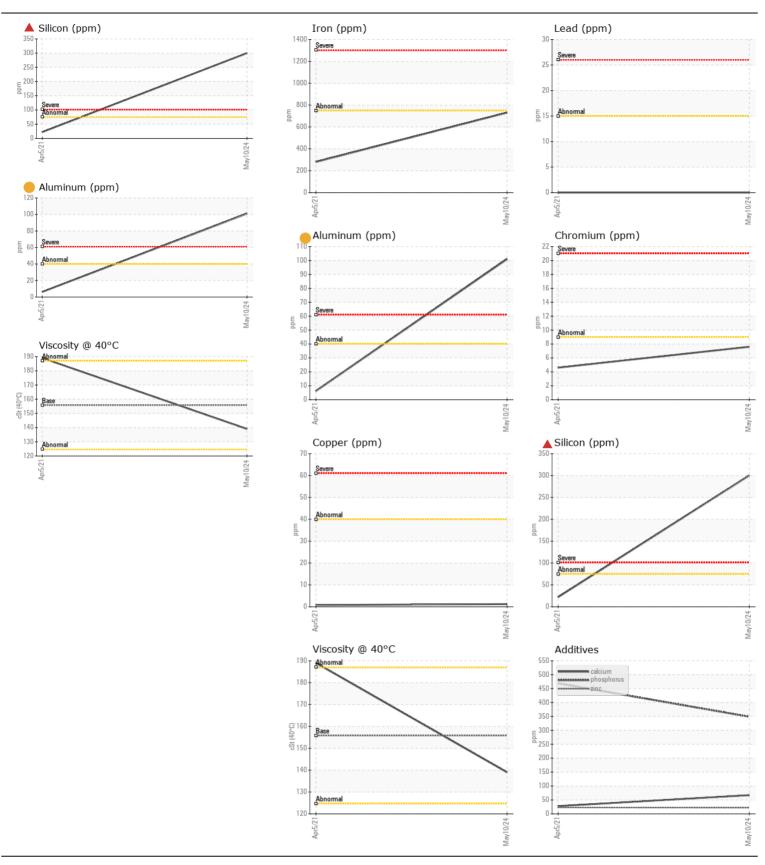
WEAR CONTAMINATION **FLUID CONDITION**

ATTENTION SEVERE NORMAL

[363]

JOHN DEERE 814432

Front Left Final Drive DRYDENE LIMITED SLIP GEAR 80W90 (GA	ıL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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.	Sample Number		Client Info		VCP397839		
	Sample Date		Client Info		10 May 2024	05 Apr 2021	
	Machine Age	hrs	Client Info		6701	1507	
	Oil Age	hrs	Client Info		1000	1507	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Not Changd	N/A	
	Sample Status				SEVERE	NORMAL	
WEAR	Iron	nnm	ASTM D5185m	√750	731	280	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		8	5	
	Nickel	ppm	ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m	>10	7	<1	
	Silver	ppm	ASTM D5185m		0	<1	
	Aluminum	ppm	ASTM D5185m	>40	<u> </u>	6	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		1	<1	
	Tin	ppm	ASTM D5185m		0	<1	
	Vanadium	ppm	ASTM D5185m	7.0	0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	0.11.		40TM D5405				
Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Silicon	ppm	ASTM D5185m		▲ 300	22	
	Potassium	ppm	ASTM D5185m		17 NEO	<1 NEG	
	Water Silt	cooler	WC Method *Visual	>0.075	NEG NONE		
	Debris	scalar scalar	*Visual	NONE	NONE	NONE NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.075	NEG	NEG	
FLUID CONDITION							
FEOID CONDITION	Sodium	ppm	ASTM D5185m	>51	6	2	
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m		15	86	
	Barium	ppm	ASTM D5185m		0	0	
	Manganoso	ppm	ASTM D5185m ASTM D5185m		0	<1 5	
	Manganese Magnesium	ppm	ASTM D5185m		8 16	5 1	
	Calcium	ppm	ASTM D5185m		67	28	
	Phosphorus	ppm	ASTM D5185m		349	469	
	Zinc	ppm	ASTM D5185m		22	23	
	Sulfur	ppm	ASTM D5185m		20780	13188	
	Visc @ 40°C	ppm cSt	ASTM D3163III	155.8	139	189	
B 1 TOTO 1 THUS 1 D 10 TOTO 1 1 10 TOTO 10 10 10 10 10 10 10 1	V130 W 40 0	COL	MOTIVI D440	100.0	139	105	





Certificate L2367

Report Id: TOTGAI [WUSCAR] 06197071 (Generated: 06/05/2024 08:18:10) Rev: 1

Laboratory Sample No.

: VCP397839 Lab Number : 06197071 Unique Number: 11059194 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 May 2024 **Tested**

: 03 Jun 2024 : 04 Jun 2024 - Don Baldridge Diagnosed

TOTAL DEVELOPMENT SOLUTIONS LLC

7805 PROGRESS CT GAINESVILLE, VA US 20155

Contact: JOE SEALE

jseale@totaldevelopmentsolutions.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (703)222-0497 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (703)753-4586