



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[363]

Machine Id

JOHN DEERE 814432

Component

Front Right Final Drive

Fluid

DRYDENE LIMITED SLIP GEAR 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP397837	VCP310971	---
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 Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>750	3	311	---
Chromium	ppm	ASTM D5185m	>9	1	5	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		1	<1	---
Aluminum	ppm	ASTM D5185m	>40	12	7	---
Lead	ppm	ASTM D5185m	>15	<1	<1	---
Copper	ppm	ASTM D5185m	>40	<1	<1	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		2	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

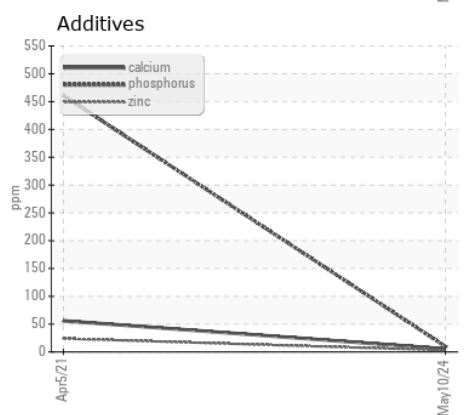
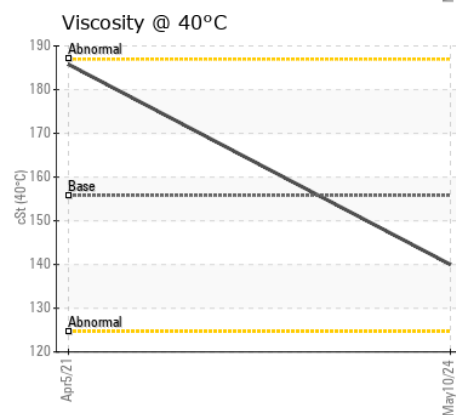
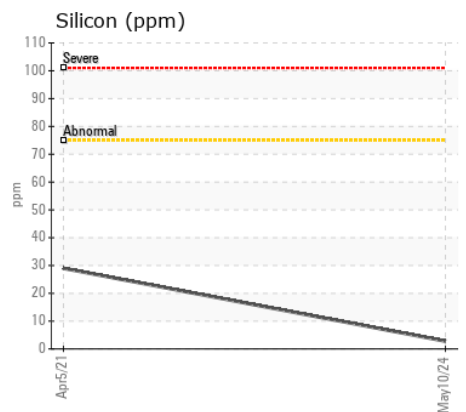
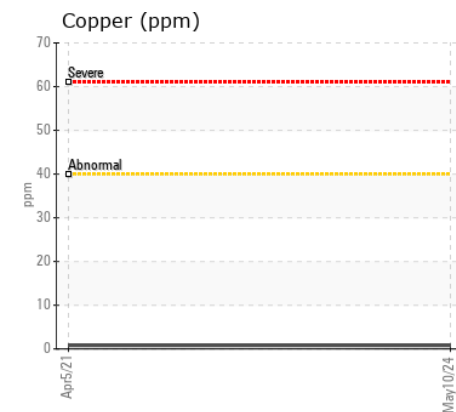
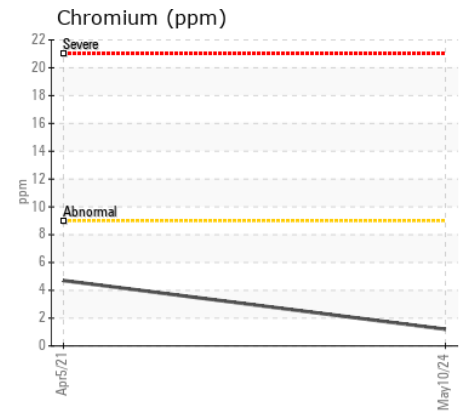
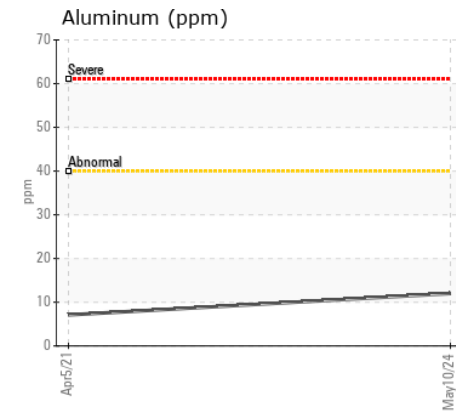
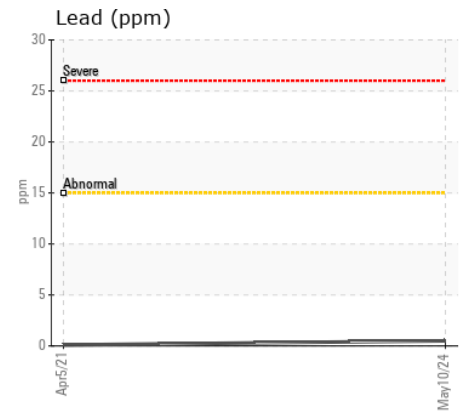
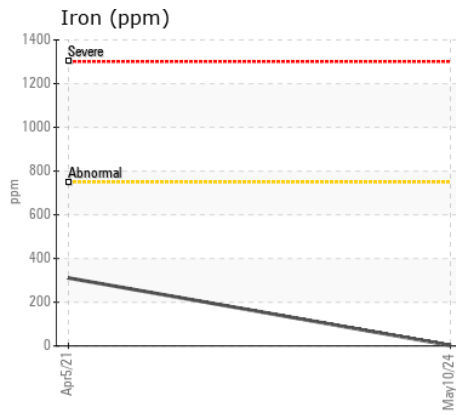
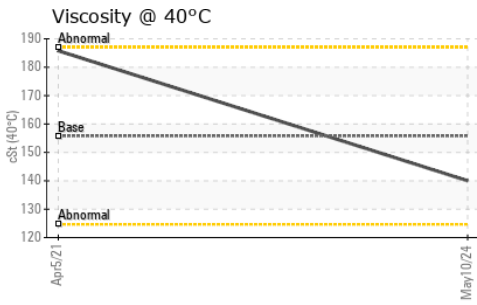
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	3	29	---
Potassium	ppm	ASTM D5185m	>20	10	<1	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	39	3	---
Boron	ppm	ASTM D5185m		0	86	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		<1	6	---
Magnesium	ppm	ASTM D5185m		<1	1	---
Calcium	ppm	ASTM D5185m		6	56	---
Phosphorus	ppm	ASTM D5185m		10	461	---
Zinc	ppm	ASTM D5185m		3	24	---
Sulfur	ppm	ASTM D5185m		62	12738	---
Visc @ 40°C	cSt	ASTM D445	155.8	140	185.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP397837  
**Lab Number** : 06191327  
**Unique Number** : 11048079  
**Test Package** : MOB 1

**Received** : 24 May 2024  
**Tested** : 29 May 2024  
**Diagnosed** : 29 May 2024 - Wes Davis

**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

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)