



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE B07772
 Component
Front Differential
 Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220424	JR0205814	---
Sample Date		Client Info		27 Jun 2024	15 Jun 2024	---
Machine Age	hrs	Client Info		696	547	---
Oil Age	hrs	Client Info		696	547	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		29	20	---
Iron	ppm	ASTM D5185m	>500	28	16	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	3	2	---
Lead	ppm	ASTM D5185m	>25	9	0	---
Copper	ppm	ASTM D5185m	>100	12	2	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

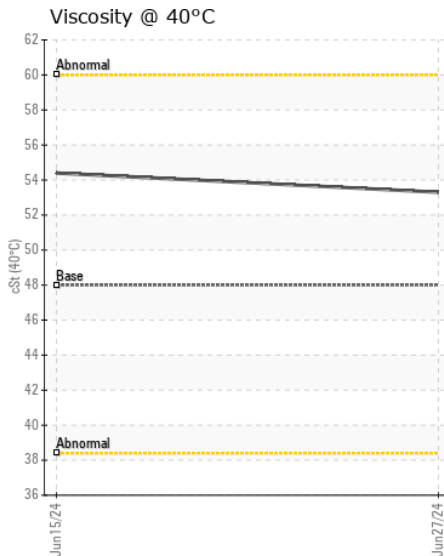
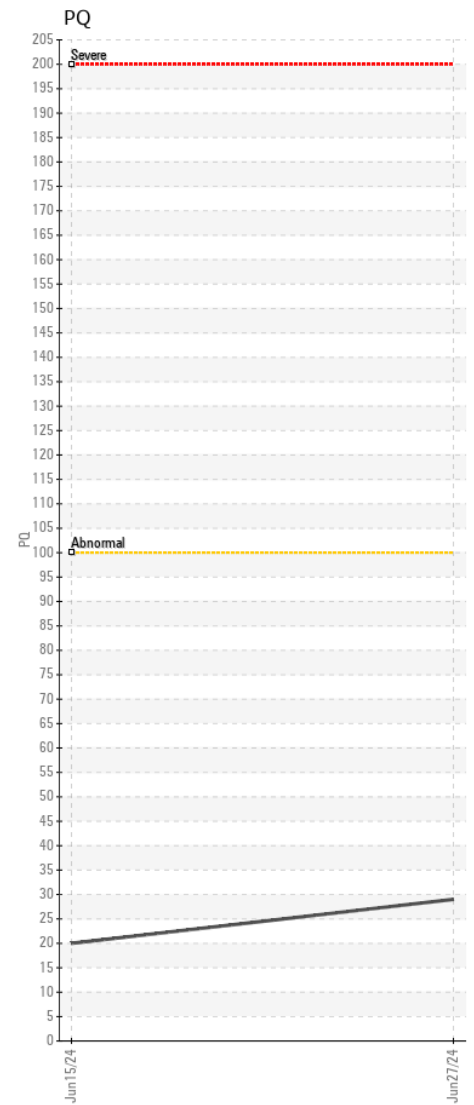
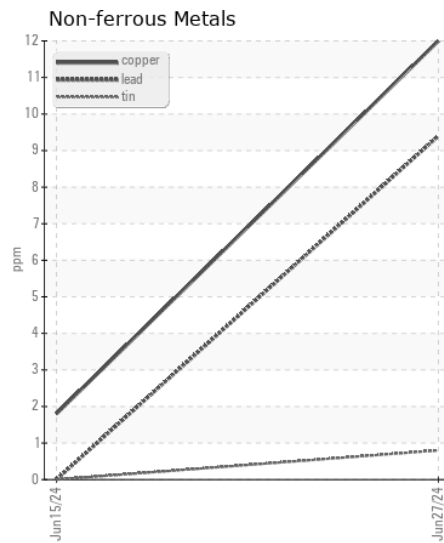
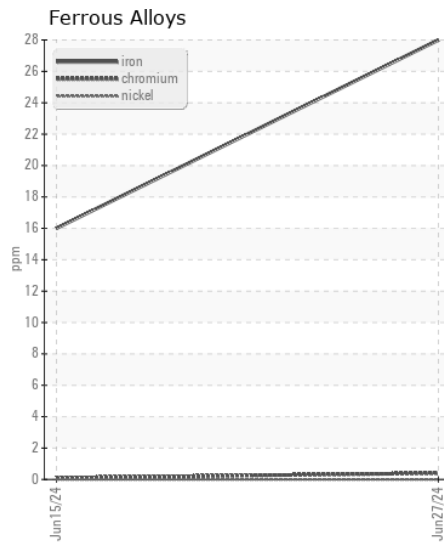
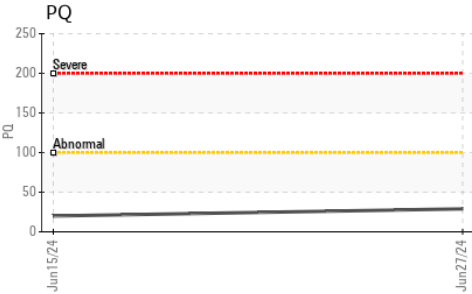
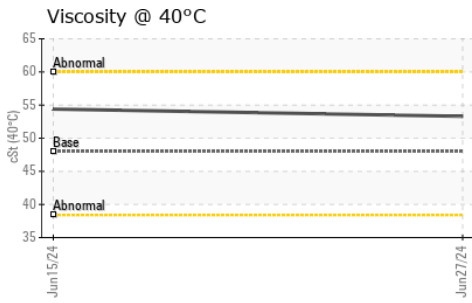
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	3	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Water		WC Method	>.2	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	>.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	3	---
Boron	ppm	ASTM D5185m	10	13	2	---
Barium	ppm	ASTM D5185m	10	0	3	---
Molybdenum	ppm	ASTM D5185m	10	0	0	---
Manganese	ppm	ASTM D5185m		<1	2	---
Magnesium	ppm	ASTM D5185m	100	87	98	---
Calcium	ppm	ASTM D5185m	3500	3450	3476	---
Phosphorus	ppm	ASTM D5185m	1150	1064	1041	---
Zinc	ppm	ASTM D5185m	1150	1245	1254	---
Sulfur	ppm	ASTM D5185m	5000	4633	3657	---
Visc @ 40°C	cSt	ASTM D445	48	53.3	54.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220424 **Received** : 02 Jul 2024
Lab Number : 06226562 **Tested** : 03 Jul 2024
Unique Number : 11110055 **Diagnosed** : 03 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.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.

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

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