



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W63939]
 Machine Id
JOHN DEERE 770GP 1DW770GPEEF665757
 Component
Rear Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W63939)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203554	JR0133624	---
Sample Date		Client Info		09 Feb 2024	24 Jun 2022	---
Machine Age	hrs	Client Info		2000	1026	---
Oil Age	hrs	Client Info		2000	1026	---
Filter Age	hrs	Client Info		0	1026	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		359	216	---
Iron	ppm	ASTM D5185m	>750	1018	779	---
Chromium	ppm	ASTM D5185m	>11	1	<1	---
Nickel	ppm	ASTM D5185m	>10	1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>21	2	2	---
Lead	ppm	ASTM D5185m	>49	6	5	---
Copper	ppm	ASTM D5185m	>101	45	30	---
Tin	ppm	ASTM D5185m	>10	2	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

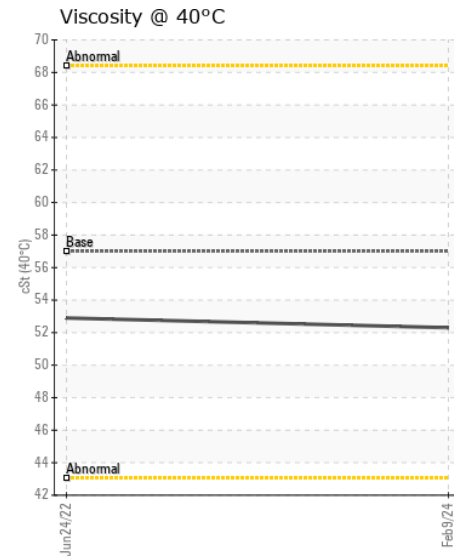
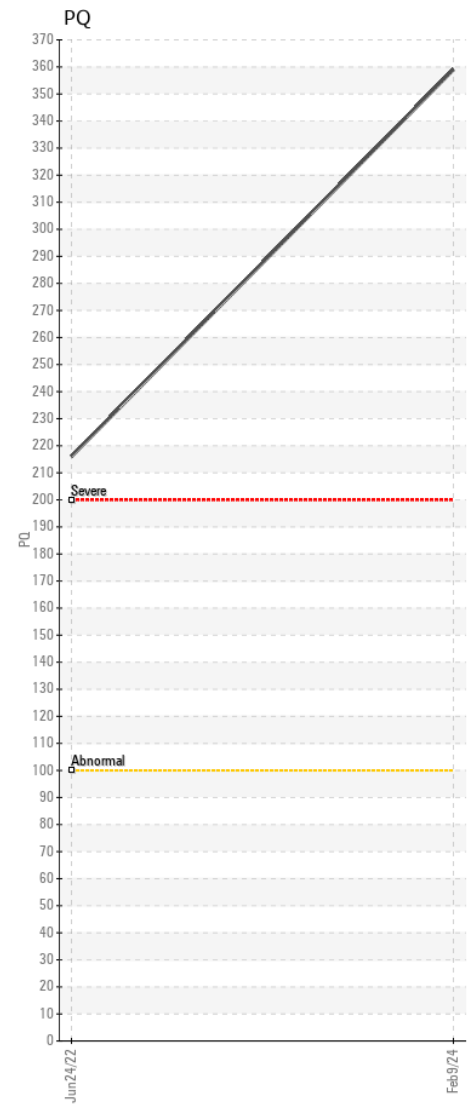
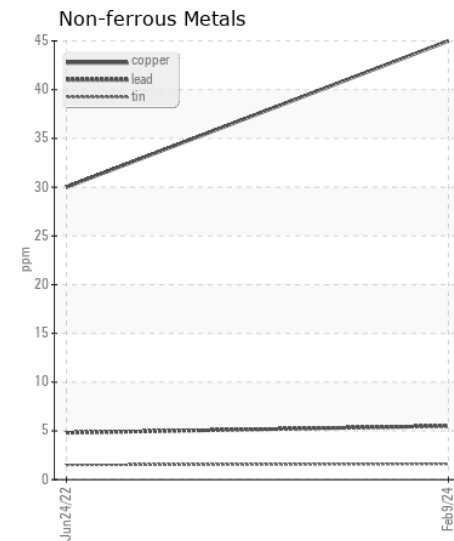
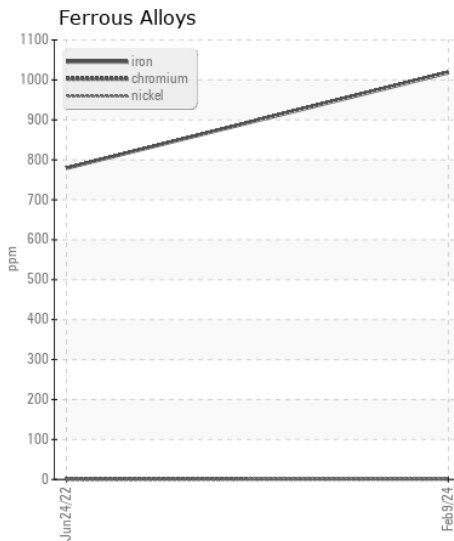
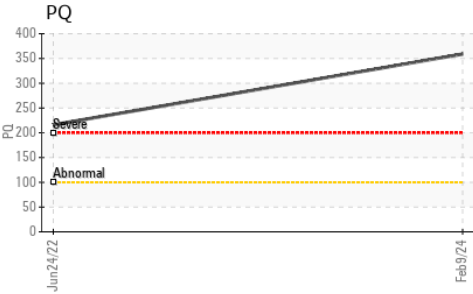
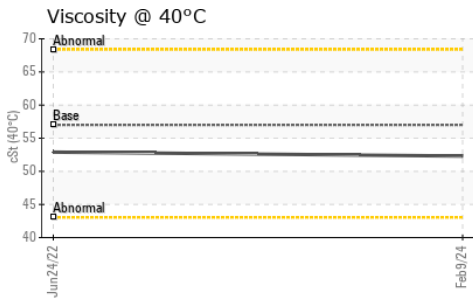
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	9	8	---
Potassium	ppm	ASTM D5185m	>20	2	1	---
Water		WC Method	>0.1	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	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	2	---
Boron	ppm	ASTM D5185m	6	<1	4	---
Barium	ppm	ASTM D5185m	0	17	4	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		11	9	---
Magnesium	ppm	ASTM D5185m	145	93	94	---
Calcium	ppm	ASTM D5185m	3570	3538	3582	---
Phosphorus	ppm	ASTM D5185m	1290	1185	1035	---
Zinc	ppm	ASTM D5185m	1640	1176	1220	---
Sulfur	ppm	ASTM D5185m		5527	4315	---
Visc @ 40°C	cSt	ASTM D445	57.0	52.3	52.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203554 **Received** : 14 Feb 2024
Lab Number : 06089111 **Tested** : 15 Feb 2024
Unique Number : 10876556 **Diagnosed** : 15 Feb 2024 - Don Baldrige
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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