



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W63939]
 Machine Id
JOHN DEERE 770GP 1DW770GPEEF665757
 Component
Transmission (Manual)
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (7 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		JR0203553	JR0133619	---
Sample Date		Client Info		09 Feb 2024	24 Jun 2022	---
Machine Age	hrs	Client Info		2000	1026	---
Oil Age	hrs	Client Info		1026	1026	---
Filter Age	hrs	Client Info		0	1026	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	25	27	---
Iron	ppm	ASTM D5185m	>200	64	61	---
Chromium	ppm	ASTM D5185m	>5	<1	0	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>7	0	0	---
Aluminum	ppm	ASTM D5185m	>25	4	4	---
Lead	ppm	ASTM D5185m	>45	6	6	---
Copper	ppm	ASTM D5185m	>225	19	17	---
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

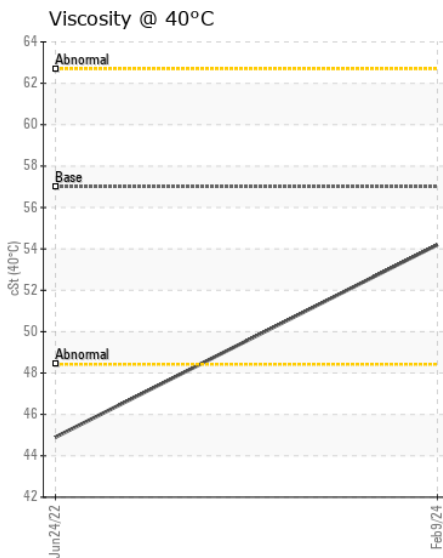
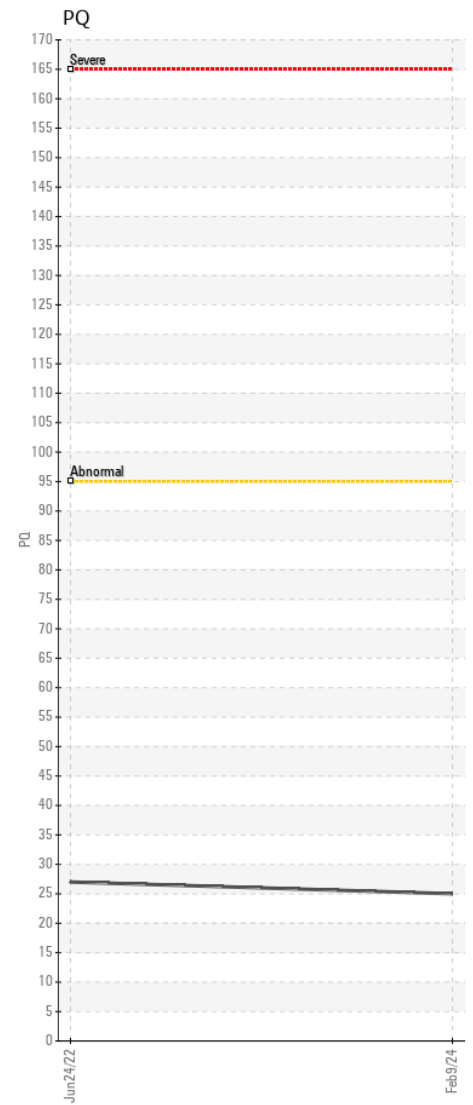
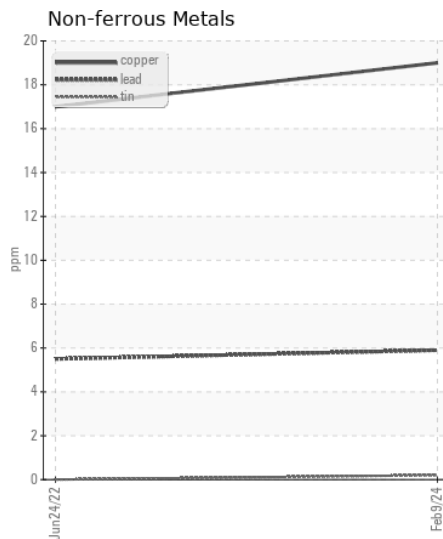
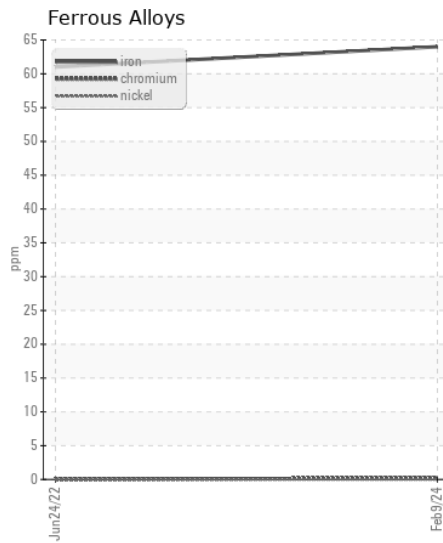
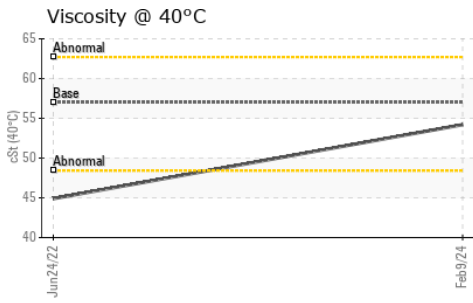
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	5	5	---
Potassium	ppm	ASTM D5185m	>20	0	3	---
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		7	6	---
Boron	ppm	ASTM D5185m	6	1	4	---
Barium	ppm	ASTM D5185m	0	1	3	---
Molybdenum	ppm	ASTM D5185m	0	1	<1	---
Manganese	ppm	ASTM D5185m		13	13	---
Magnesium	ppm	ASTM D5185m	145	77	83	---
Calcium	ppm	ASTM D5185m	3570	3186	3433	---
Phosphorus	ppm	ASTM D5185m	1290	915	1013	---
Zinc	ppm	ASTM D5185m	1640	1179	1194	---
Sulfur	ppm	ASTM D5185m		3337	4043	---
Visc @ 40°C	cSt	ASTM D445	57.0	54.2	44.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203553 **Received** : 14 Feb 2024
Lab Number : 06089029 **Tested** : 15 Feb 2024
Unique Number : 10876474 **Diagnosed** : 15 Feb 2024 - Sean Felton
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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