



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W44689]
 Machine Id
JOHN DEERE 624L 1DW624LTLLF708606
 Component
Transmission (Manual)
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (23 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203331	JR0195867	JR0183707
Sample Date		Client Info		12 Feb 2024	01 Dec 2023	28 Aug 2023
Machine Age	hrs	Client Info		7517	7041	6500
Oil Age	hrs	Client Info		1500	1041	534
Filter Age	hrs	Client Info		1500	1041	534
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	18	18	11
Iron	ppm	ASTM D5185m	>200	18	13	15
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>7	0	<1	0
Aluminum	ppm	ASTM D5185m	>25	1	2	2
Lead	ppm	ASTM D5185m	>45	0	0	0
Copper	ppm	ASTM D5185m	>225	3	2	2
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

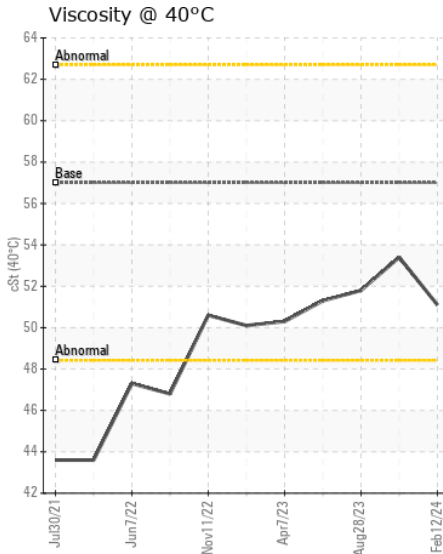
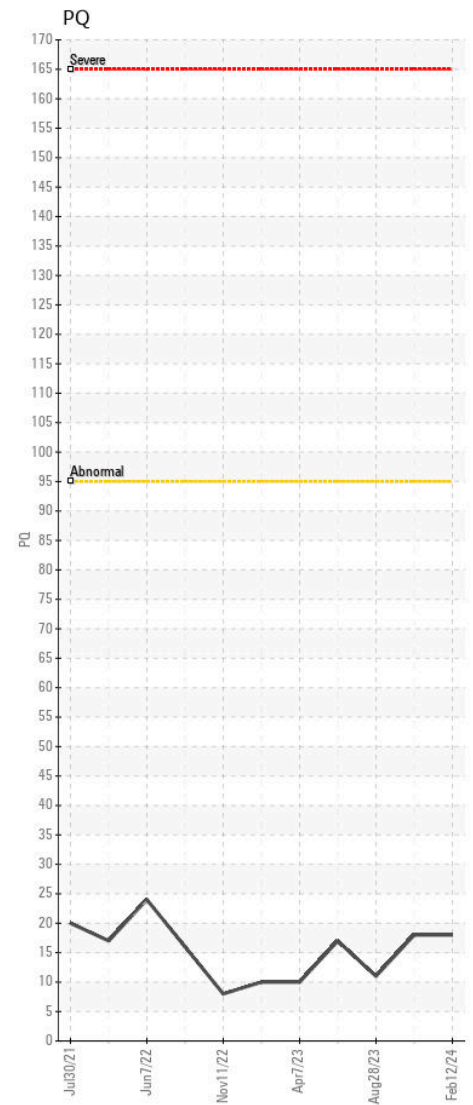
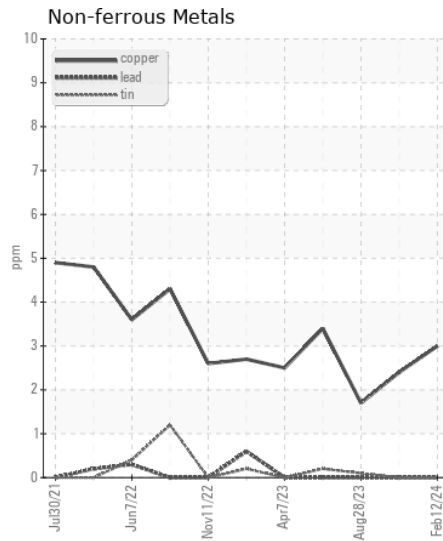
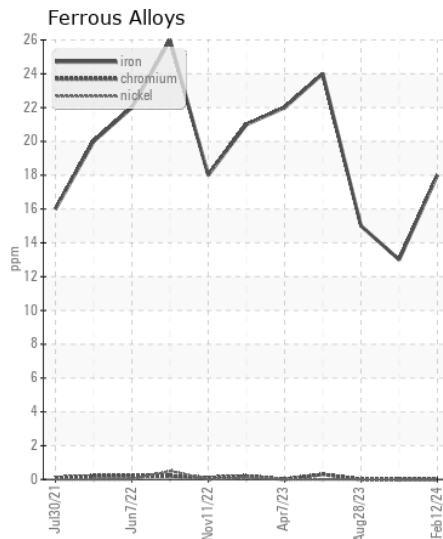
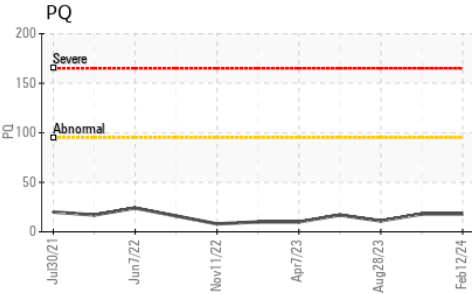
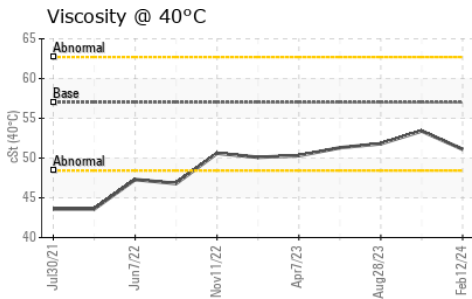
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	11	10	10
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	3	4
Boron	ppm	ASTM D5185m	6	9	8	7
Barium	ppm	ASTM D5185m	0	11	0	0
Molybdenum	ppm	ASTM D5185m	0	8	5	6
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	145	108	115	116
Calcium	ppm	ASTM D5185m	3570	2999	3155	3336
Phosphorus	ppm	ASTM D5185m	1290	937	1050	1029
Zinc	ppm	ASTM D5185m	1640	1152	1243	1240
Sulfur	ppm	ASTM D5185m		3698	3553	4181
Visc @ 40°C	cSt	ASTM D445	57.0	51.1	53.4	51.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203331 **Received** : 14 Feb 2024
Lab Number : 06089669 **Tested** : 16 Feb 2024
Unique Number : 10877114 **Diagnosed** : 16 Feb 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111
 Contact: DON VEST
 dvest@jamesriverequipment.com
 T: (703)631-8500
 F: (703)631-4715

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)