



WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area

[47450]

Machine Id

JOHN DEERE 310 P 1DW310PAJPF07268

Component

Transmission

Fluid

JOHN DEERE HD SynTran (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

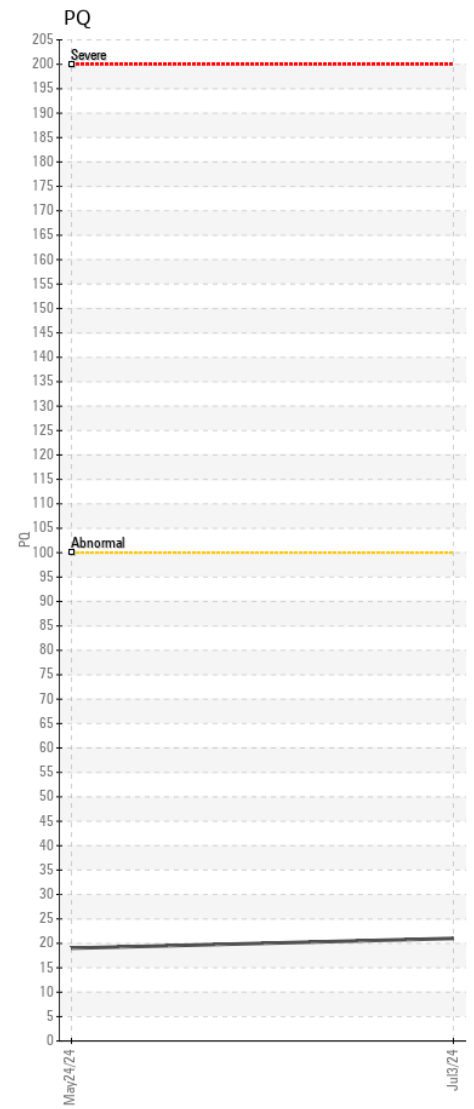
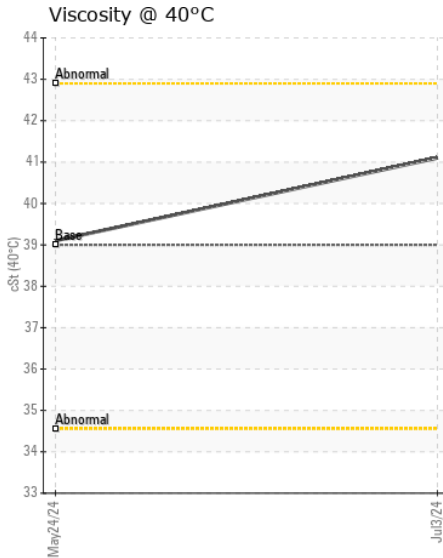
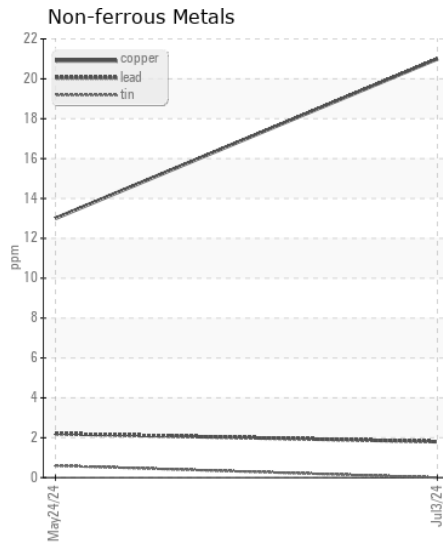
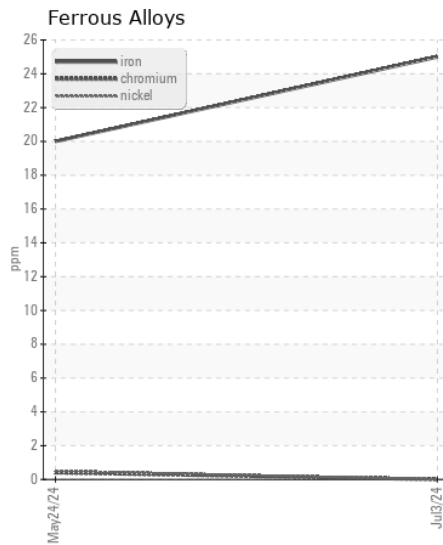
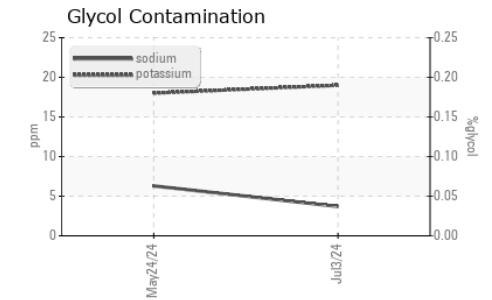
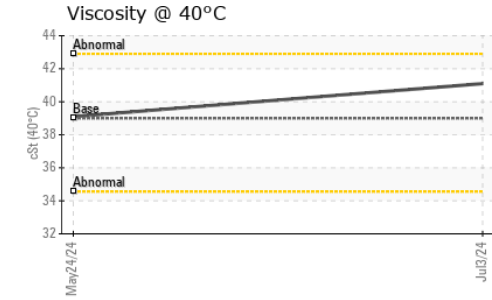
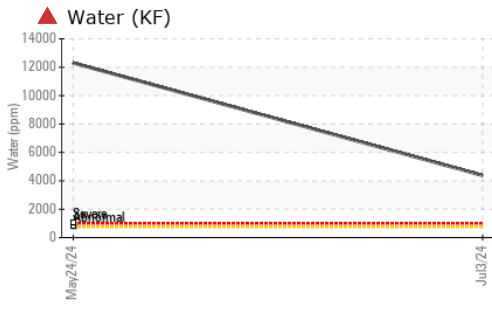
CONTAMINATION

Moderate concentration of visible dirt/debris present in the fluid. There is a high concentration of water present in the fluid.

FLUID CONDITION

The fluid is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218674	JR0217745	---
Sample Date		Client Info		03 Jul 2024	24 May 2024	---
Machine Age	hrs	Client Info		489	408	---
Oil Age	hrs	Client Info		489	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				SEVERE	SEVERE	---
PQ		ASTM D8184	>100	21	19	---
Iron	ppm	ASTM D5185m	>61	25	20	---
Chromium	ppm	ASTM D5185m	>10	0	<1	---
Nickel	ppm	ASTM D5185m		0	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	4	5	---
Lead	ppm	ASTM D5185m	>9	2	2	---
Copper	ppm	ASTM D5185m	>100	21	13	---
Tin	ppm	ASTM D5185m	>3	0	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>21	2	8	---
Potassium	ppm	ASTM D5185m	>20	19	18	---
Water	%	ASTM D6304	>0.075	▲ 0.437	▲ 1.23	---
ppm Water	ppm	ASTM D6304	>750	▲ 4370	▲ 12300	---
Silt	scalar	*Visual	NONE	NONE	▲ MODER	---
Debris	scalar	*Visual	NONE	▲ MODER	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	▲ 0.2%	▲ 0.2%	---
Sodium	ppm	ASTM D5185m	>30	4	6	---
Boron	ppm	ASTM D5185m	168	81	176	---
Barium	ppm	ASTM D5185m		0	2	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		2	1	---
Magnesium	ppm	ASTM D5185m		2	3	---
Calcium	ppm	ASTM D5185m	33	57	70	---
Phosphorus	ppm	ASTM D5185m	330	234	342	---
Zinc	ppm	ASTM D5185m	0	163	81	---
Sulfur	ppm	ASTM D5185m	980	349	342	---
Visc @ 40°C	cSt	ASTM D445	39	41.1	39.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218674 **Received** : 09 Jul 2024
Lab Number : 06231621 **Tested** : 11 Jul 2024
Unique Number : 11115114 **Diagnosed** : 11 Jul 2024 - Angela Borella
Test Package : CONST (Additional Tests: Glycol, KF, PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
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 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)