



WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
[05W46860]
Machine Id
JOHN DEERE 324G 1T0324GMHPJ433658
Component
Right Chain Drive
Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (5 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

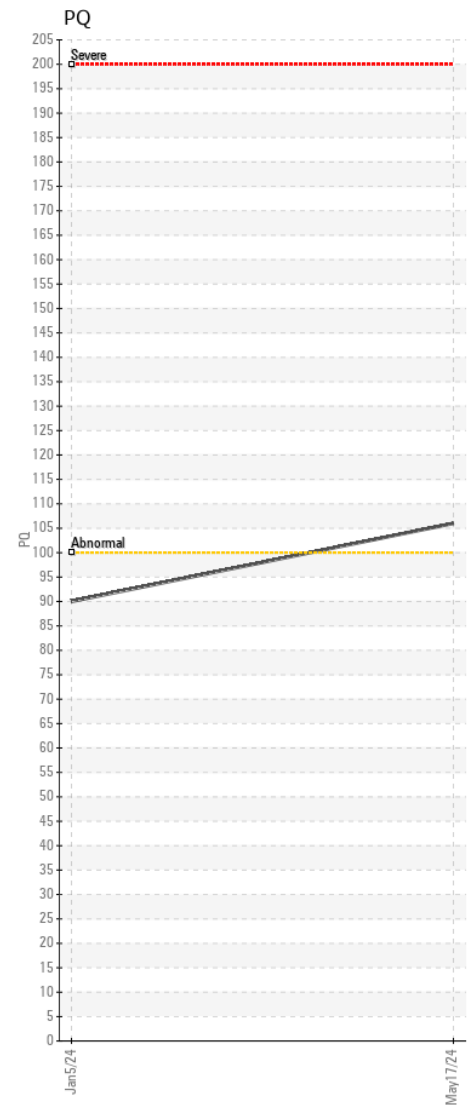
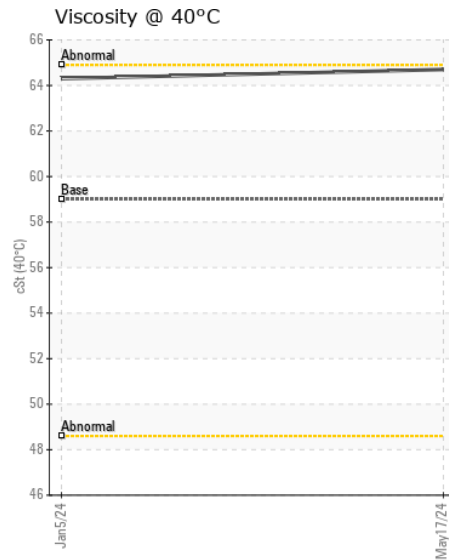
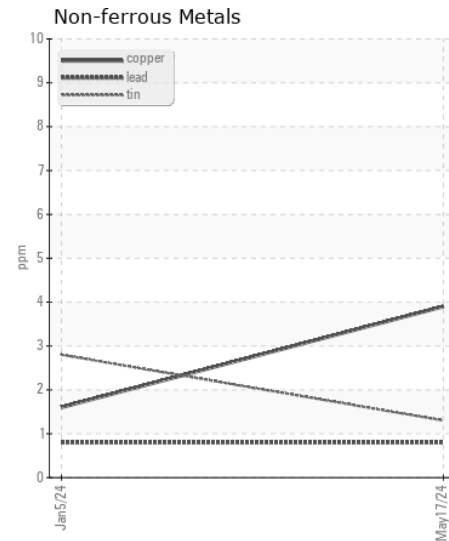
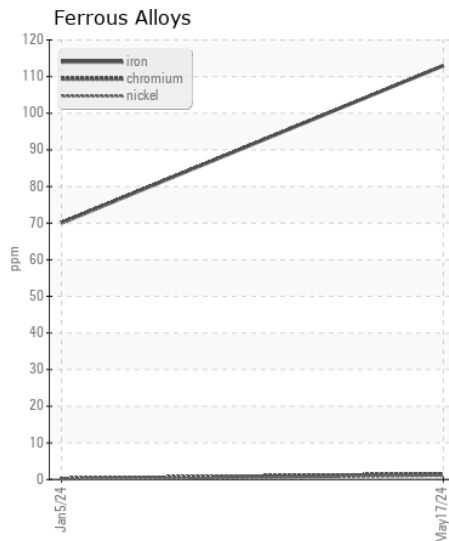
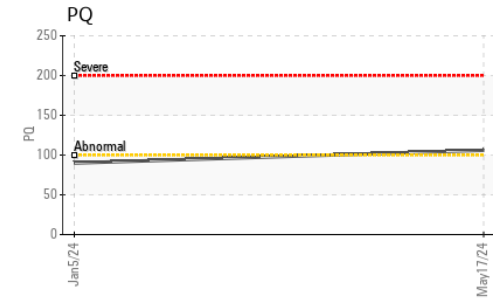
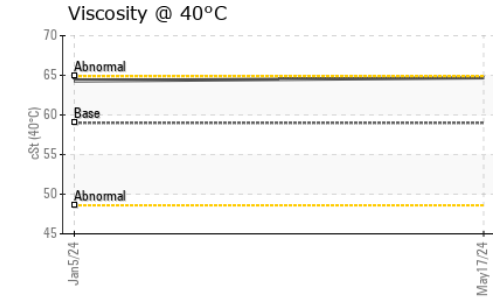
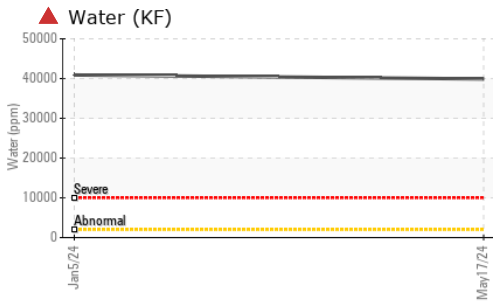
CONTAMINATION

Appearance is milky. There is a high concentration of water present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214348	JR0199442	---
Sample Date		Client Info		17 May 2024	05 Jan 2024	---
Machine Age	hrs	Client Info		1021	510	---
Oil Age	hrs	Client Info		1021	510	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	SEVERE	---
PQ		ASTM D8184		106	90	---
Iron	ppm	ASTM D5185m	>200	113	70	---
Chromium	ppm	ASTM D5185m	>10	2	<1	---
Nickel	ppm	ASTM D5185m	>10	1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		1	0	---
Aluminum	ppm	ASTM D5185m		4	2	---
Lead	ppm	ASTM D5185m		<1	<1	---
Copper	ppm	ASTM D5185m		4	2	---
Tin	ppm	ASTM D5185m		1	3	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m		14	14	---
Potassium	ppm	ASTM D5185m	>20	4	3	---
Water	%	ASTM D6304	>0.2	▲ 3.99	▲ 4.09	---
ppm Water	ppm	ASTM D6304	>2000	▲ 39900	▲ 40900	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● MILKY	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	▲ 0.2%	---
Sodium	ppm	ASTM D5185m		4	0	---
Boron	ppm	ASTM D5185m		7	8	---
Barium	ppm	ASTM D5185m		21	25	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m		85	90	---
Calcium	ppm	ASTM D5185m		3295	3076	---
Phosphorus	ppm	ASTM D5185m		1088	1041	---
Zinc	ppm	ASTM D5185m		1310	1292	---
Sulfur	ppm	ASTM D5185m		4465	3629	---
Visc @ 40°C	cSt	ASTM D445	59	64.7	64.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214348
Lab Number : 06186910
Unique Number : 11043662
Test Package : CONST (Additional Tests: KF, PQ)

Received : 21 May 2024
Tested : 23 May 2024
Diagnosed : 23 May 2024 - Don Baldrige

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

Contact: TECHNICIAN ACCOUNT
 catherine.anastasio@wearcheck.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)

T: (703)631-4715