



WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
[05W46860]
 Machine Id
JOHN DEERE 324G 1T0324GMHPJ433658
 Component
Left 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.

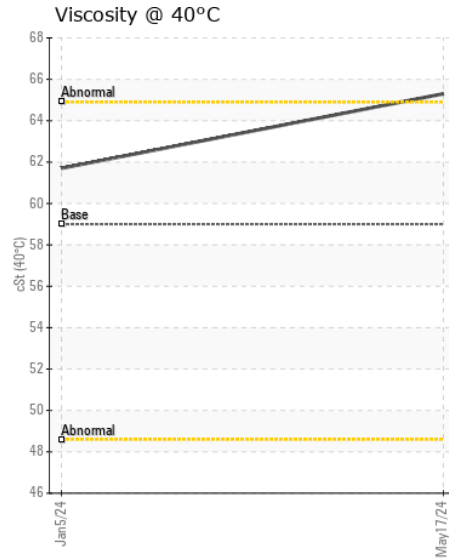
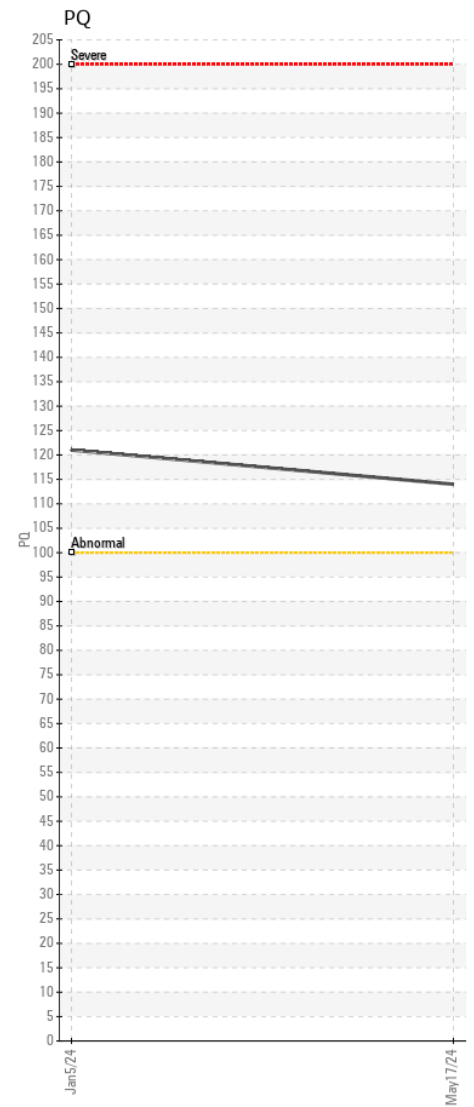
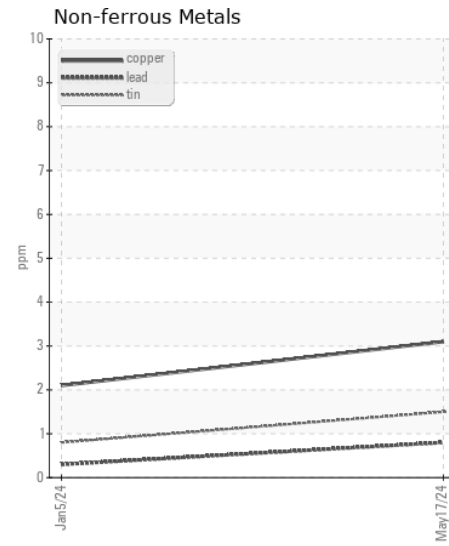
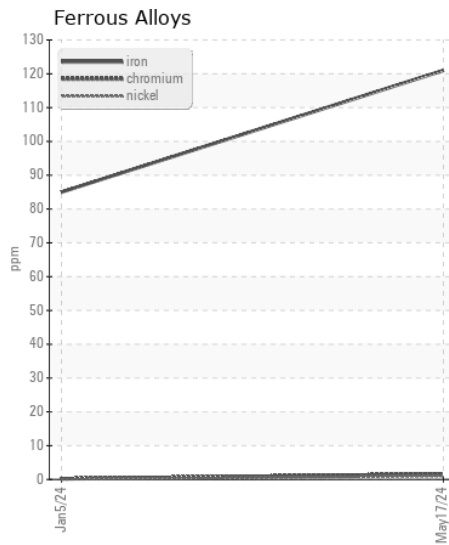
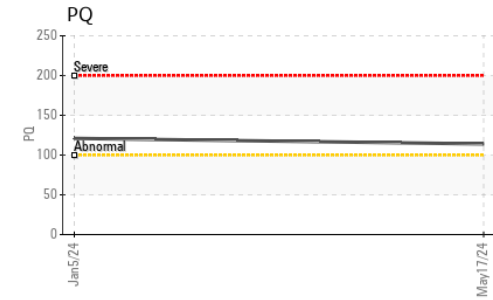
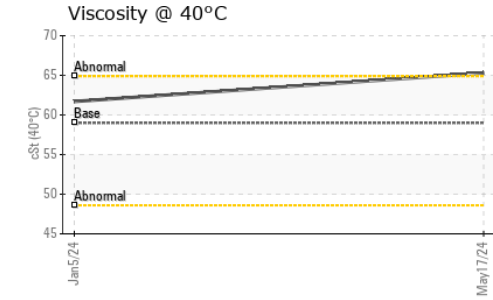
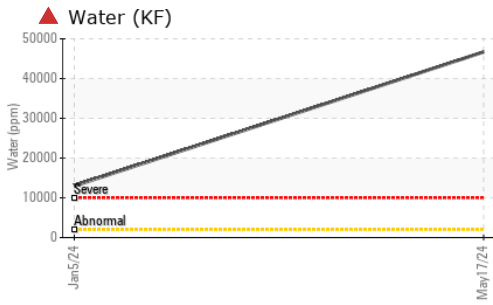
CONTAMINATION

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		JR0214343	JR0199443	---
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		114	121	---
Iron	ppm	ASTM D5185m	>200	121	85	---
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	1	---
Lead	ppm	ASTM D5185m		<1	<1	---
Copper	ppm	ASTM D5185m		3	2	---
Tin	ppm	ASTM D5185m		2	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m		13	10	---
Potassium	ppm	ASTM D5185m	>20	4	2	---
Water	%	ASTM D6304	>0.2	▲ 4.67	▲ 1.30	---
ppm Water	ppm	ASTM D6304	>2000	▲ 46700	▲ 13000	---
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		3	1	---
Boron	ppm	ASTM D5185m		9	2	---
Barium	ppm	ASTM D5185m		23	27	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m		93	95	---
Calcium	ppm	ASTM D5185m		3541	3247	---
Phosphorus	ppm	ASTM D5185m		1053	1027	---
Zinc	ppm	ASTM D5185m		1292	1237	---
Sulfur	ppm	ASTM D5185m		4339	3442	---
Visc @ 40°C	cSt	ASTM D445	59	65.3	61.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214343 **Received** : 21 May 2024
Lab Number : 06186911 **Tested** : 23 May 2024
Unique Number : 11043663 **Diagnosed** : 23 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

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)

F: (703)631-4715