**WEAR CONTAMINATION FLUID CONDITION** 

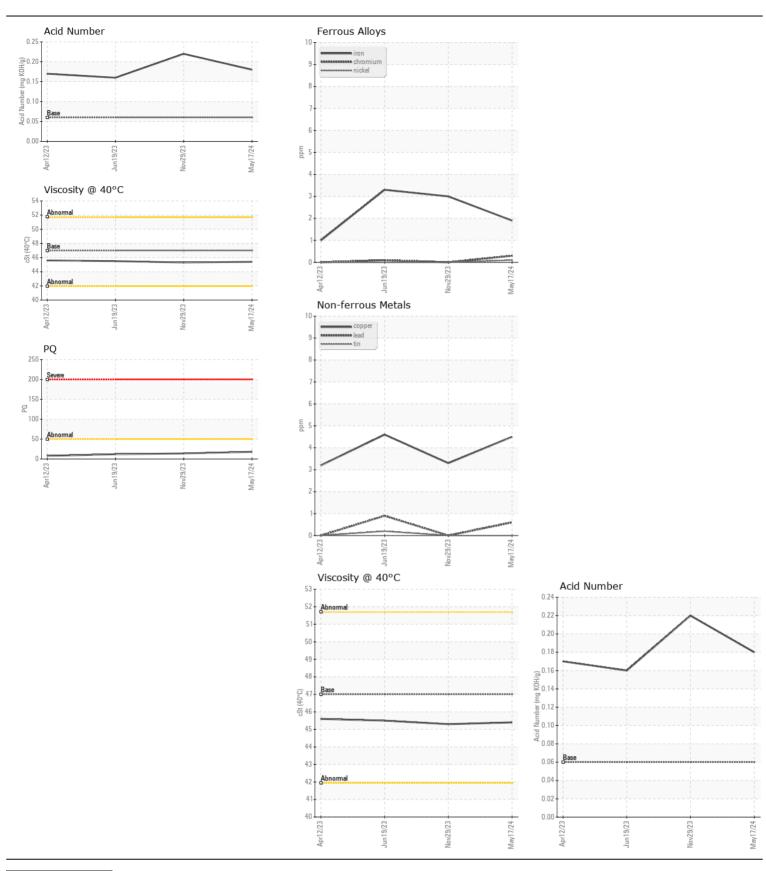
**NORMAL ABNORMAL NORMAL** 

Machine Id

## **JOHN DEERE 350P 1FF350PALNF000408**

Hydraulic System

	S)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Sample Number		Client Info		JR0217919	JR0184619	JR0176211
	Sample Date		Client Info		17 May 2024	29 Nov 2023	19 Jun 2023
	Machine Age	hrs	Client Info		1908	1521	943
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Not Changd	Not Chango
	Filter Changed		Client Info		Changed	Not Changd	Changed
	Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR	PQ		ASTM D8184	>50	18	14	12
All	Iron	ppm	ASTM D5185m	>32	2	3	3
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>9	<1	0	<1
	Nickel	ppm	ASTM D5185m	>5	<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m	>9	0	<1	<1
	Lead	ppm	ASTM D5185m	>28	<1	0	<1
	Copper	ppm	ASTM D5185m	>50	4	3	5
	Tin	ppm	ASTM D5185m	>5	0	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>11	1	2	2
	Potassium	ppm	ASTM D5185m	>20	<1	0	1
Moderate concentration of visible dirt/debris present in the oil.	Water		WC Method	>0.075	NEG	NEG	NEG
	Particles >4μm		ASTM D7647	>80000		34595	3047
	Particles >6µm		ASTM D7647	>20000		2045	202
	Particles >14μm		ASTM D7647	>640		12	20
	Particles >21μm		ASTM D7647	>160		2	6
	Particles >38μm		ASTM D7647			0	0
	Particles >71μm		ASTM D7647			0	0
	Oil Cleanliness		ISO 4406 (c)			22/18/11	19/15/11
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	▲ MODER	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	>0.075	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	<1	0	<1
The ANI level is assemble for this fluid. The condition of the oil is	Boron	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		0	0	2
	Calcium	ppm	ASTM D5185m		62	81	80
	Phosphorus	ppm	ASTM D5185m		526	483	525
	Zinc	ppm	ASTM D5185m		82	59	59
	Sulfur	ppm	ASTM D5185m		468	529	682
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.18	0.22	0.16
	Visc @ 40°C	cSt	ASTM D445	4/	45.4	45.3	45.5







Laboratory Sample No. Unique Number : 11043392

Lab Number : 06186640

: JR0217919

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 21 May 2024 Tested : 23 May 2024 Diagnosed

: 23 May 2024 - Don Baldridge

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

Certificate L2367

Test Package : CONST ( Additional Tests: PQ )

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)