**WEAR** CONTAMINATION **FLUID CONDITION** 

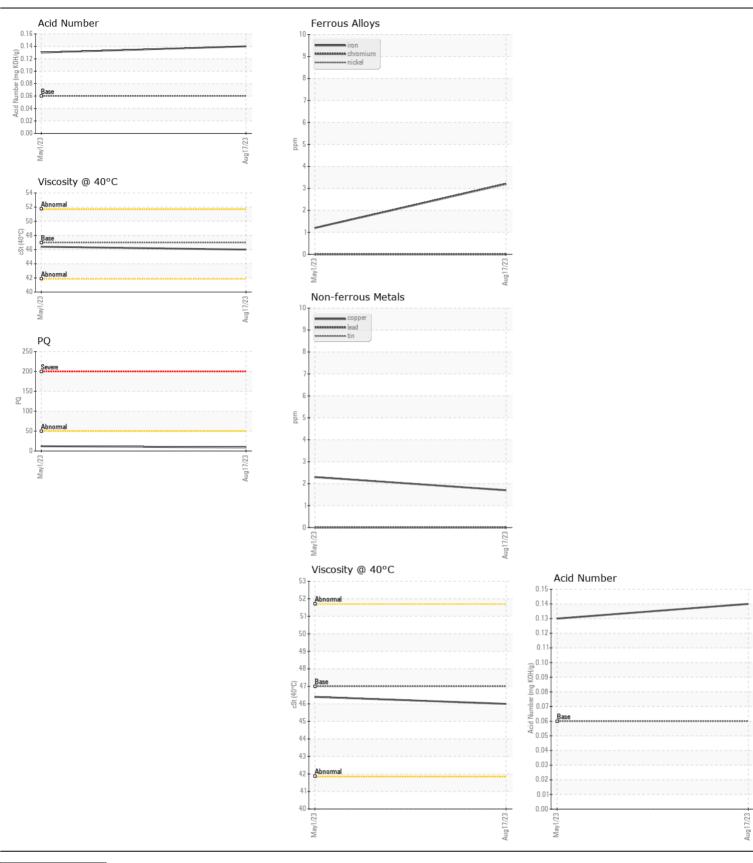
**NORMAL ABNORMAL NORMAL** 

Machine Id

## JOHN DEERE 1FF350PACNF000297

Component **Hydraulic System** Fluid

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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	OOW	Client Info	Little / tot1	JR0182300	JR0168659	
	Sample Date		Client Info		17 Aug 2023		
	Machine Age	hrs	Client Info		1021	587	
	Oil Age	hrs	Client Info		1021	587	
	Filter Age	hrs	Client Info		1021	587	
	Oil Changed	1110	Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Changed	Not Change	
	Sample Status		Oliciti illio		ABNORMAL	NORMAL	
						4.0	
VEAR	PQ		ASTM D8184		9	12	
All component wear rates are normal.	Iron	ppm	ASTM D5185m		3	1	
	Chromium	ppm	ASTM D5185m		0	0	
	Nickel	ppm	ASTM D5185m	>5	0	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		<1	<1	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		2	2	
	Tin	ppm	ASTM D5185m	>5	0	0	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>11	1	0	
	Potassium	ppm	ASTM D5185m	>20	0	0	
Moderate concentration of visible dirt/debris present in the oil.	Water		WC Method	>0.075	NEG	NEG	
	Particles >4µm		ASTM D7647	>80000		2152	
	Particles >6µm		ASTM D7647	>20000		356	
	Particles >14μm		ASTM D7647	>640		21	
	Particles >21µm		ASTM D7647	>160		5	
	Particles >38µm		ASTM D7647	>40		1	
	Particles >71µm		ASTM D7647	>10		0	
	Oil Cleanliness		ISO 4406 (c)	>23/21/16		18/16/12	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	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	
	<b>Emulsified Water</b>	scalar	*Visual	>0.075	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m	>21	<1	0	
LOID CONDITION	Boron	ppm	ASTM D5185m	2 <b>—</b> 1	0	0	
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	0	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m		<1	0	
	Calcium	ppm	ASTM D5185m		0	0	
	Phosphorus		ASTM D5185m	827	521	519	
	Zinc	ppm	ASTM D5185m		19	9	
	Sulfur		ASTM D5185m		104	0	
	Acid Number (AN)	ppm mg KOH/g	ASTM D3163111	0.06	0.14	0.13	
	. ,						
	Visc @ 40°C	cSt	ASTM D445	+/	46.0	46.4	







Laboratory Sample No.

Lab Number : 05929505

: JR0182300

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

Unique Number : 10609452

Received : 21 Aug 2023 Tested Diagnosed Test Package : CONST ( Additional Tests: PQ )

: 22 Aug 2023

: 22 Aug 2023 - Angela Borella

US 28546 Contact: TIM MORTON timm@timmortontrucking.com

T: (252)322-4031

F: (252)322-5215

MORTON TRUCKING

121 GARNET LANE

JACKSONVILLE, NC

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)