

WEAR CONTAMINATION FLUID CONDITION

NORMAL **ABNORMAL NORMAL**

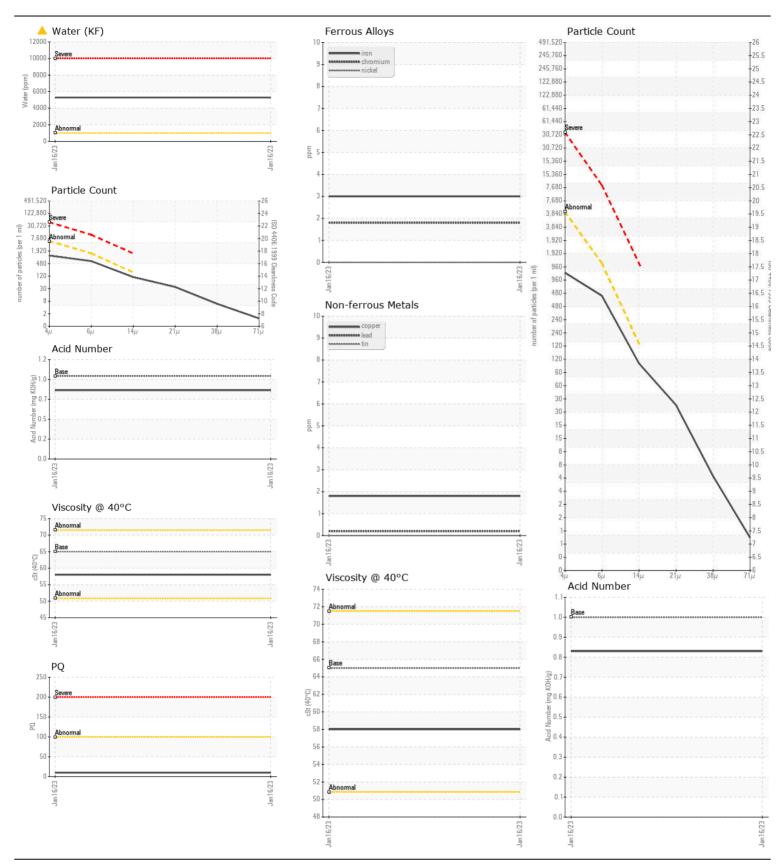
[A31678]

JOHN DEERE 444P 1DW444PADNLZ16734

Hydraulic System

JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TEOOMINETERATION	Sample Number		Client Info	21111071011	WE0003078		
We advise that you check for the source of water entry. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.	Sample Date		Client Info		16 Jan 2023		
	Machine Age	hrs	Client Info		493		
	Oil Age	hrs	Client Info		493		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
WEAD	PQ		ACTM DO104		10		
WEAR	Iron	nnm	ASTM D8184 ASTM D5185m	> 20	10 3		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		2		
'	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	/10	0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	0		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONT A BAIN A TION	Ciliana		ACTM DE10E	00			
CONTAMINATION	Silicon Potassium	ppm	ASTM D5185m		6 3		
Appearance is hazy. There is a moderate concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.	Water	ppm %	ASTM D5185m ASTM D6304		o.529		
	ppm Water	ppm	ASTM D6304		▲ 5290		
	Particles >4µm	ррпі	ASTM D0304 ASTM D7647		1020		
	Particles >6µm		ASTM D7647		556		
	Particles >14µm		ASTM D7647		95		
	Particles >21µm		ASTM D7647		32		
	Particles >38µm		ASTM D7647		5		
	Particles >71µm		ASTM D7647	>3	1		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/16/14		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	▲ HAZY		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	0.2%		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2		
TEOID CONDITION	Boron	ppm	ASTM D5185m		28		
The AN level is acceptable for this fluid. The condition of the oils	Barium	ppm	ASTM D5185m		0		
additive package is suitable for further service.	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m		15		
	Calcium	ppm	ASTM D5185m		969		
	Phosphorus	ppm	ASTM D5185m		785		
	Zinc	ppm	ASTM D5185m		1000		
	Sulfur	ppm	ASTM D5185m		2136		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.83		
	Visc @ 40°C	cSt	ASTM D445	65	58.0		





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 05743478 : 10298077

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 19 Jan 2023 : WE0003078 Diagnosed : 24 Jan 2023

Diagnostician : Jonathan Hester

Test Package : CONST (Additional Tests: KF, 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. WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE 25135 ONE AVIATION WAY SW MADISON, AL

US 35756 Contact: HERBERT STONE

WTE013@WARRIORTRACTOR.COM T:

F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)