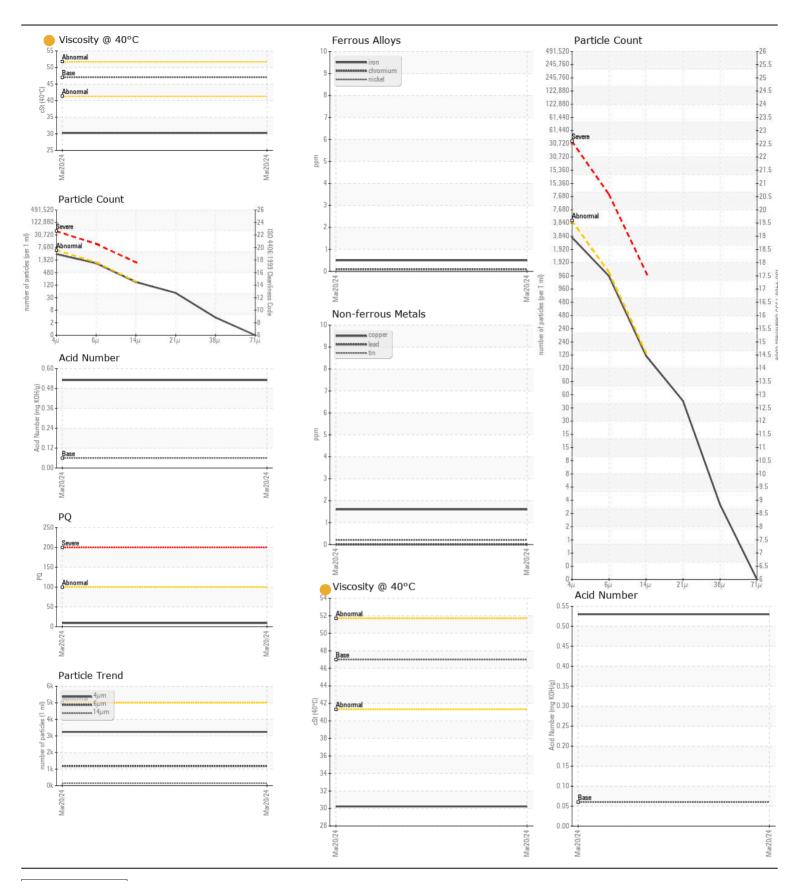
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL ATTENTION

JOHN DEERE MP1 (S/N PE4045U180555)

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0208502		
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		20 Mar 2024		
	Machine Age	hrs	Client Info		502		
	Oil Age	hrs	Client Info		502		
	Filter Age	hrs	Client Info		502		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				ATTENTION		
WEAR	PQ		ASTM D8184		9		
	Iron	ppm	ASTM D5185m	>20	<1		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	0		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		2		
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.	Potassium	ppm	ASTM D5185m		0		
	Water		WC Method		NEG		
	Particles >4µm		ASTM D7647		3243		
	Particles >6µm		ASTM D7647		1180		
	Particles >14μm		ASTM D7647		147		
	Particles >21µm		ASTM D7647		45		
	Particles >38μm		ASTM D7647		3		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		19/17/14		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		1		
	Boron	ppm	ASTM D5185m		0		
Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		0		
	Calcium	ppm	ASTM D5185m		11		
	Phosphorus	ppm	ASTM D5185m		434		
	Zinc	ppm	ASTM D5185m		484		
	Sulfur	ppm	ASTM D5185m		1184		
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.53		
	Visc @ 40°C	cSt	ASTM D445		30.23		





Certificate L2367

Report Id: TITNORJR [WUSCAR] 06125581 (Generated: 03/28/2024 18:47:17) Rev: 1

Laboratory Sample No. Lab Number : 06125581 Unique Number: 10939732

: JR0208502

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

Tested Diagnosed Test Package : CONST (Additional Tests: PQ)

: 21 Mar 2024 : 27 Mar 2024 : 27 Mar 2024 - Jonathan Hester

TITAN VIRGINIA READY MIX LLC 5700 LAKEWRIGHT DR, SUITE 300 NORFOLK, VA

US 23502 Contact: ROBERT TAUBER rtauber@titanamerica.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)

Submitted By: TECHNICIAN ACCOUNT

F:

T: (571)436-2579