

WEAR CONTAMINATION **FLUID CONDITION**

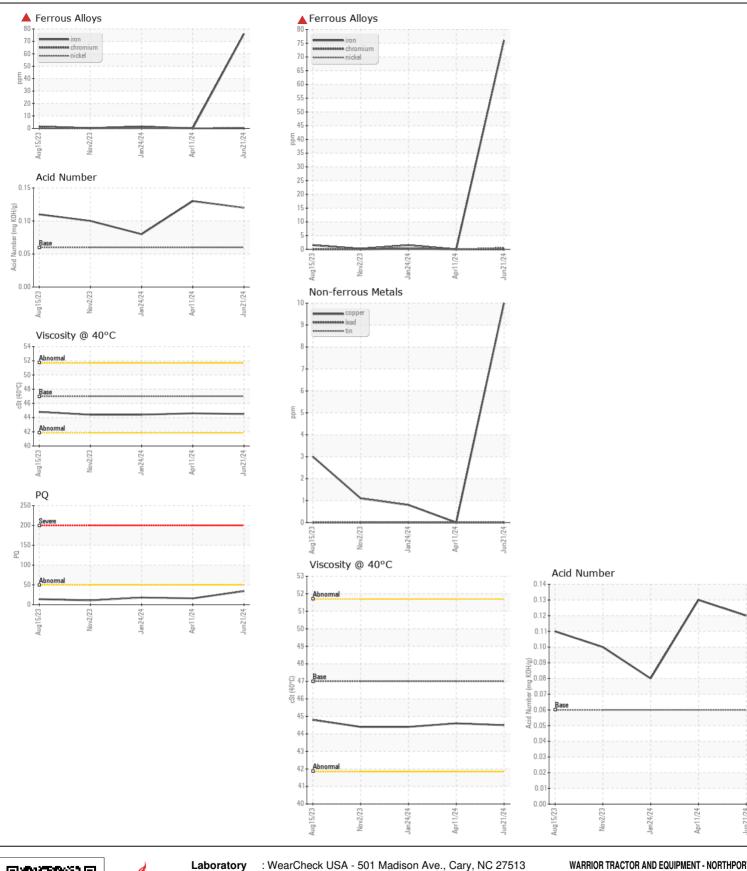
SEVERE ABNORMAL NORMAL

[127285]

JOHN DEERE 670P 1FF670PALPF000032

Hydraulic System

RECOMMENDATION We recommend you service the filters on this component. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WE0007927	WE0006933	WE0006361
	Sample Date		Client Info		21 Jun 2024	11 Apr 2024	24 Jan 202
	Machine Age	hrs	Client Info		2524	1965	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	Changed	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				SEVERE	NORMAL	ABNORMA
WEAR	PQ		ASTM D8184	>50	34	16	18
	Iron	ppm	ASTM D5185m	>32	A 76	0	2
A sharp increase in the iron level is noted.	Chromium	ppm	ASTM D5185m	>9	0	0	<1
	Nickel	ppm	ASTM D5185m	>5	<1	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>9	0	0	2
	Lead	ppm	ASTM D5185m	>28	0	0	0
	Copper	ppm	ASTM D5185m		10	0	<1
	Tin	ppm	ASTM D5185m	>5	0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>11	<1	<1	<1
	Potassium	ppm	ASTM D5185m	>20	0	0	<1
There is a moderate amount of visible silt present in the sample.	Water		WC Method	>0.075	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>80000		6550	59533
	Particles >6µm		ASTM D7647	>20000		1134	18598
	Particles >14μm		ASTM D7647	>640		98	<u>^</u> 2317
	Particles >21μm		ASTM D7647			25	<u>417</u>
	Particles >38μm		ASTM D7647			1	5
	Particles >71μm		ASTM D7647			0	0
	Oil Cleanliness		ISO 4406 (c)			20/17/14	23/21/1
	Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor Emulsified Water	scalar	*Visual	>0.075	NORML NEG	NORML NEG	NORM NEG
<u></u>	Liliuisilleu watei	Scalai	Visuai	>0.075		INLG	INLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	2	0	0
The AN level is acceptable for this fluid.	Boron	ppm	ASTM D5185m		0	0	0
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m		2	3	4
	Calcium	ppm	ASTM D5185m	005	64	4	1
	Phosphorus	ppm	ASTM D5185m		351	349	322
	Zinc	ppm	ASTM D5185m		38	10	0
	Sulfur	ppm	ASTM D5185m		1673	1558	1366
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.12	0.13	0.08
	Visc @ 40°C	cSt	ASTM D445	47	44.5	44.6	44.4







Certificate L2367

Laboratory Sample No.

: WE0007927 Lab Number : 06219602 Unique Number : 11097799

Received : 25 Jun 2024 **Tested** Diagnosed

: 26 Jun 2024

: 26 Jun 2024 - Don Baldridge

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT P.O. BOX 412 NORTHPORT, AL

US 35476 Contact: CRAIG ANDOE

serve01@warriortractor.com T: (205)339-0300

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)

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