

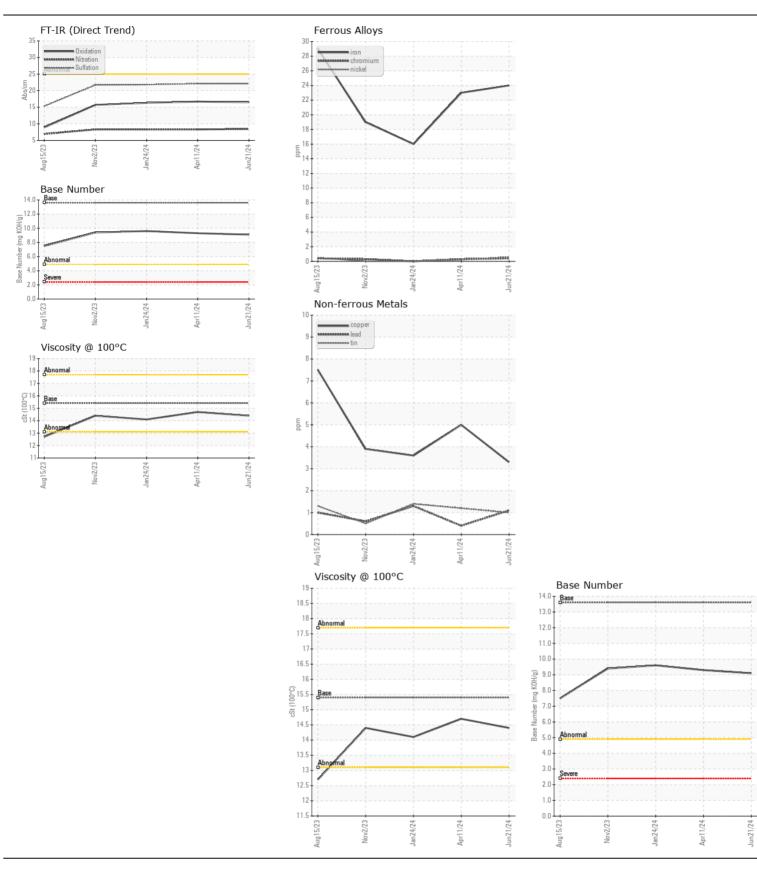
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

[127285]

JOHN DEERE 670P 1FF670PALPF000032

Diesel Engine

	QTS)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WE0007922	WE0006882	WE000640
	Sample Date		Client Info		21 Jun 2024	11 Apr 2024	24 Jan 202
	Machine Age	hrs	Client Info		2524	1965	1485
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	24	23	16
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	<1	0
	Nickel	ppm	ASTM D5185m		<1	<1	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m		5	5	6
	Lead	ppm	ASTM D5185m		1	<1	1
	Copper	ppm	ASTM D5185m	>26	3	5	4
	Tin	ppm	ASTM D5185m		1	1	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	nnm	ASTM D5185m	-22	12	11	9
	Potassium	ppm	ASTM D5185m		5	2	2
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	<i>></i> 0.∠1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	. 2	0.3	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	8.4	8.3	8.3
	Sulfation	Abs/.1mm	*ASTM D7024		22.1	22.1	21.8
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	O = 41:		ACTM DE105	0.1	• • • • • • • • • • • • • • • • • • • •	4	
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m ASTM D5185m	>0 I	0 253	<1 286	309
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		253	1	<1
		ppm					
	Molybdenum	ppm	ASTM D5185m ASTM D5185m		287	294 <1	269
	Manganese	ppm			1		1
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		867 1485	918 1568	873 1446
		ppm	ASTM D5185m			1071	945
	Phosphorus	ppm			856 1127		
	Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		1127 2944	1192	1129
		ppm	MODIFICAL CM		2944	3418	2973
			*ACTM D7414	- 2F	16 5		
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896		16.5 9.1	16.7 9.3	16.3 9.6







Certificate L2367

Laboratory Sample No.

: WE0007922 Lab Number : 06219495 Unique Number : 11097692

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

Received : 25 Jun 2024 **Tested** Diagnosed

: 26 Jun 2024 : 26 Jun 2024 - Wes Davis

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: TBN) 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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