**WEAR CONTAMINATION FLUID CONDITION** 

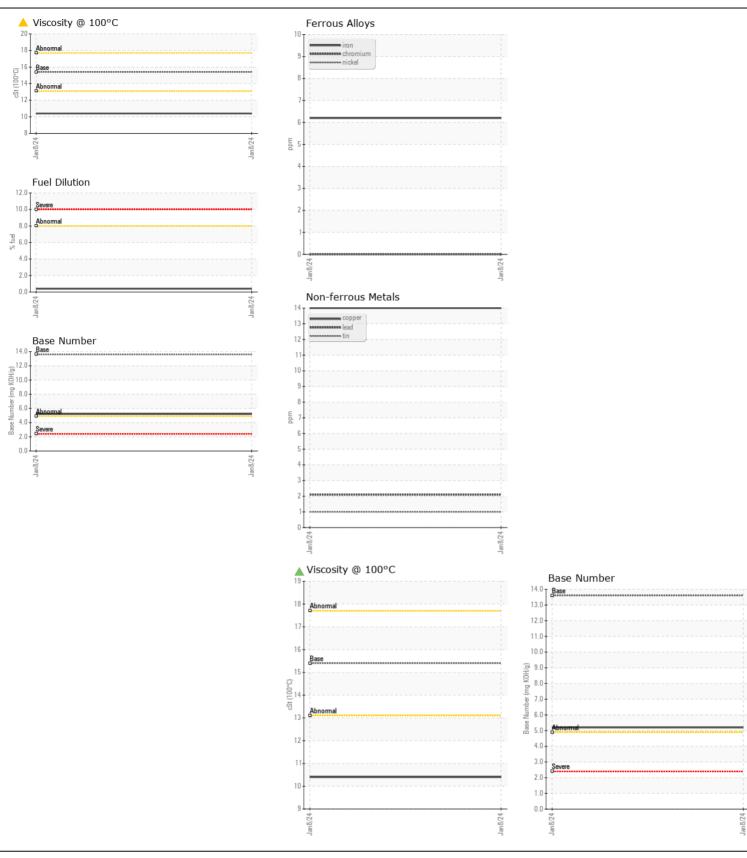
**NORMAL NORMAL ATTENTION** 

## **JOHN DEERE 844P LX07617**

Component Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
LOOMMILIDATION	Sample Number	JOIVI	Client Info	ZITTIQ FAUT	JR0197662		
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		08 Jan 2024		
	Machine Age	hrs	Client Info		31		
	Oil Age	hrs	Client Info		31		
	Filter Age	hrs	Client Info		31		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ATTENTION		
/EAD			ASTM D5185m	. 51			
WEAR	Iron	ppm			6		
Metal levels are typical for a new component breaking in.	Chromium Nickel	ppm	ASTM D5185m		0		
		ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m	0	<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		1		
	Lead	ppm	ASTM D5185m		2		
	Copper	ppm	ASTM D5185m		14		
	Tin	ppm	ASTM D5185m	>4	1		
	Vanadium	ppm	ASTM D5185m	NONE	<1 NONE		
	White Metal	scalar	*Visual	NONE	NONE		
<u></u>	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	8		
	Potassium	ppm	ASTM D5185m	>20	2		
Fuel content negligible. There is no indication of any contamination in the oil.	Fuel	%	ASTM D3524	>8.0	0.4		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0		
	Nitration	Abs/cm	*ASTM D7624	>20	3.4		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	30.5		
	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		
	<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG		
FLUID CONDITION  The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Codium	nnm	ACTM DE10Em	. 01	4		
	Sodium Boron	ppm	ASTM D5185m	>31	4 109		
	Barium	ppm	ASTM D5185m ASTM D5185m		<1		
	Molybdenum	ppm ppm	ASTM D5185m		95		
	Manganese	ppm	ASTM D5185m		4		
	Magnesium	ppm	ASTM D5185m		313		
	Calcium	ppm	ASTM D5185m		626		
	Phosphorus	ppm	ASTM D5185m		780		
	Zinc	ppm	ASTM D5185m		951		
	Sulfur	ppm	ASTM D5185m		2214		
	Oxidation	Abs/.1mm	*ASTM D3163111	>25	24.1		
					5.2		
	Base Number (BN)						





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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0197662 : 06056529

: 10822478

Recieved : 10 Jan 2024 Diagnosed : 12 Jan 2024 Diagnostician : Jonathan Hester Test Package : CONST ( Additional Tests: FuelDilution, PercentFuel, TBN )

JRE - GARNER 4161 AUBURN CHURCH RD GARNER, NC US 27529

Contact: RALEIGH SHOP sean.betts@jamesriverequipment.com;catherine.anastasio@wearcheck.com T: (919)614-2260

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)

F: (919)779-5432