

WEAR CONTAMINATION **FLUID CONDITION**

ABNORMAL NORMAL ATTENTION

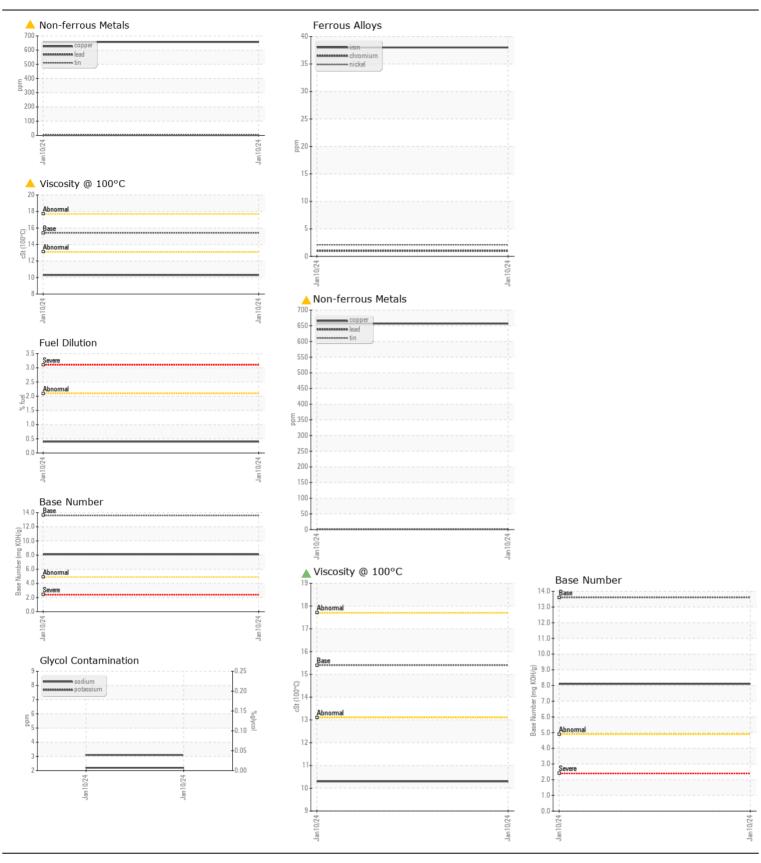
GRAYSON CARTER & SON [A34405] JOHN DEERE 624P 1DW624PACPLA20810

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WE0006037		
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: A34405)	Sample Date		Client Info		10 Jan 2024		
	Machine Age	hrs	Client Info		508		
	Oil Age	hrs	Client Info		508		
	Filter Age	hrs	Client Info		508		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
VEAD	luan		ACTM DE10E		00		
WEAR	Iron	ppm	ASTM D5185m		38		
The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in.	Chromium Nickel	ppm	ASTM D5185m		1 2		
		ppm	ASTM D5185m	>5			
	Titanium Silver	ppm	ASTM D5185m ASTM D5185m	-3	<1 0		
	Aluminum	ppm	ASTM D5185m		4		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		_ <u> </u>		
	Tin	ppm	ASTM D5185m		2		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	12		
Fuel content negligible. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	3		
	Fuel	%	ASTM D3524	>2.1	0.4		
	Water		WC Method	>0.21	NEG		
	Glycol	%	*ASTM D2982		NEG		
	Soot %	%	*ASTM D7844		0.3		
	Nitration	Abs/cm	*ASTM D7624	>20	8.4		
	Sulfation	Abs/.1mm	*ASTM D7415		22.1		
	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	>0.21	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	2		
	Boron	ppm	ASTM D5185m		231		
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		6		
	Molybdenum	ppm	ASTM D5185m		242		
	Manganese	ppm	ASTM D5185m		5		
	Magnesium	ppm	ASTM D5185m		750		
	Calcium	ppm	ASTM D5185m		1563		
	Phosphorus	ppm	ASTM D5185m		942		
	Zinc	ppm	ASTM D5185m		1120		
	Sulfur	ppm	ASTM D5185m		3363		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0		
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.1		
	Via - 0 10000	0.	4 OTL 4 D 4 4 E			•	

Visc @ 100°C cSt ASTM D445 15.4

10.3





Certificate L2367

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

: WE0006037 : 06059152 : 10830534

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

: 12 Jan 2024 Diagnosed : 16 Jan 2024 Diagnostician : Don Baldridge Test Package : CONST (Additional Tests: FuelDilution, Glycol, PercentFuel, TBN)

WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE 25135 ONE AVIATION WAY SW MADISON, AL

> Contact: BOBBY LUCKY warriorparts033@gmail.com T:

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)

US 35756

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