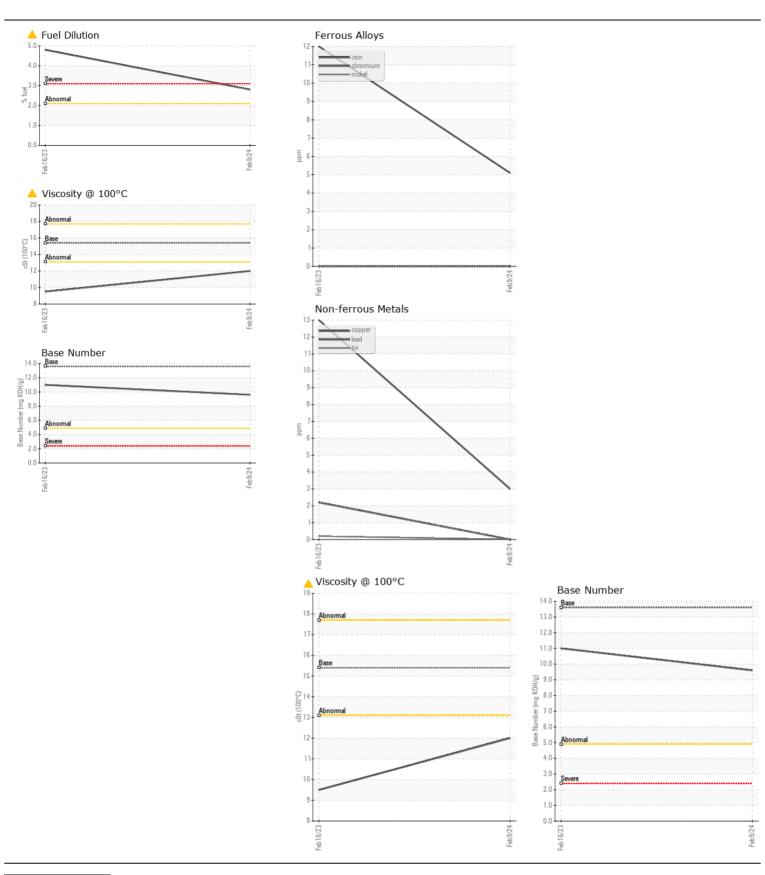
**WEAR CONTAMINATION FLUID CONDITION** 

**NORMAL ABNORMAL ABNORMAL** 

## JOHN DEERE 3025D 1PY3025EDVMB002339

Component
Diesel Engine

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		JR0183676	JR0140269	
	Sample Date		Client Info		09 Feb 2024	16 Feb 2023	
	Machine Age	hrs	Client Info		126	50	
	Oil Age	hrs	Client Info		76	50	
	Filter Age	hrs	Client Info		76	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				ABNORMAL	ABNORMAL	
/EAR	Iron	ppm	ASTM D5185m	>51	5	12	
WEAR	Chromium	ppm	ASTM D5185m		0	0	
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m	>3	0	0	
	Aluminum	ppm	ASTM D5185m		5	3	
	Lead	ppm	ASTM D5185m		0	2	
	Copper	ppm	ASTM D5185m		3	13	
	Tin	ppm	ASTM D5185m		0	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	····						
ONTAMINATION	Silicon	ppm	ASTM D5185m		11	52	
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Potassium	ppm	ASTM D5185m		<1	2	
	Fuel	%	ASTM D3524	>2.1	▲ 2.8	▲ 4.8	
	Water		WC Method	>0.21	NEG	NEG NEG	
	Glycol Soot %	%	*ASTM D7844	. 2	NEG 0.1	0.1	
	Nitration	Abs/cm	*ASTM D7644	>20	6.9	6.8	
	Sulfation	Abs/.1mm	*ASTM D7024		19.2	18.9	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	<b>Emulsified Water</b>		*Visual	>0.21	NEG	NEG	
LUD CONDITION	On all was		AOTM DE LOS	04	• • • • • • • • • • • • • • • • • • • •	10	
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	2	13	
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185m ASTM D5185m		279	246	
	Barium	ppm			1	0	
	Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m		234	216 2	
	Magnesium	ppm	ASTM D5185m		<1 801	603	
	Calcium	ppm	ASTM D5185m		1367	1812	
	Phosphorus	ppm	ASTM D5185m		892	916	
	Zinc	ppm	ASTM D5185m		1037	1054	
	Sulfur	ppm	ASTM D5185m		2962	3591	
	Oxidation	Abs/.1mm	*ASTM D3163111	>25	14.4	14.0	
	Base Number (BN)				9.6	11.0	
		THU TOTAL		10.0		11.0	







Laboratory Sample No. Unique Number : 10875381

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06087936

: JR0183676

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** 

Diagnosed Test Package : CONST ( Additional Tests: PercentFuel, TBN )

: 15 Feb 2024 : 15 Feb 2024 - Wes Davis

: 13 Feb 2024

JRE - HARRISONBURG 1332 GARBERS CHURCH RD HARRISONBURG, VA US 22801

Contact: TERRY PUFFENBARGER terry.puffenbarger@jamesriverequipment.com T: (540)434-4457

\* - 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)