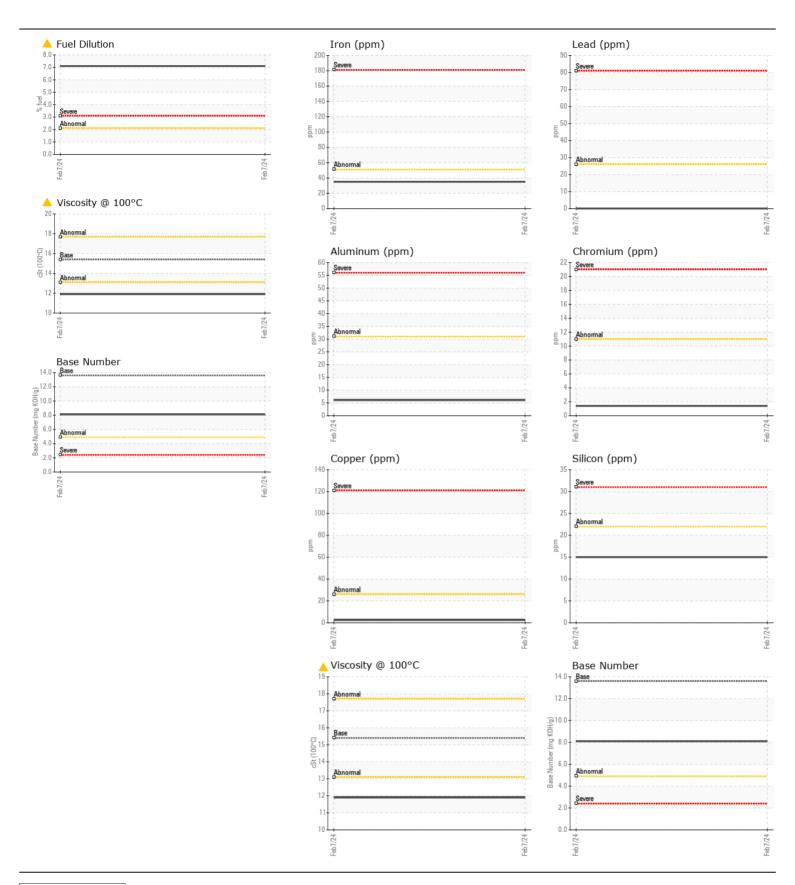
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL **ABNORMAL ABNORMAL**

JOHN DEERE 4060R 5004190

Diesel Engine

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
	Sample Number		Client Info		JR0158710		
We advise that you check the fuel injection system. Resample at the next service interval to monitor.	Sample Date		Client Info		07 Feb 2024		
	Machine Age	hrs	Client Info		2898		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
/EAR	Iron	ppm	ASTM D5185m		35		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	1		
	Nickel	ppm	ASTM D5185m	>5	<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m	>31	6		
	Lead	ppm	ASTM D5185m	>26	0		
	Copper	ppm	ASTM D5185m	>26	2		
	Tin	ppm	ASTM D5185m	>4	1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONIT A MINIA TION	Ciliaaa		ACTM DE10E	00	45		
ONTAMINATION	Silicon	ppm	ASTM D5185m		15		
There is a moderate amount of fuel present in the oil.	Potassium	ppm	ASTM D5185m		0		
	Fuel	%	ASTM D3524		▲ 7.1		
	Water		WC Method	>0.21	NEG		
	Glycol	21	WC Method	0	NEG		
	Soot %	%	*ASTM D7844		0.8		
	Nitration	Abs/cm	*ASTM D7624	>20	13.9		
	Sulfation	Abs/.1mm	*ASTM D7415		26.6		
	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	/U I	90		
Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		231		
	Manganese		ASTM D5185m		231 <1		
	Magnesium	ppm	ASTM D5185m		771		
	Calcium		ASTM D5185m		1252		
	Phosphorus	ppm	ASTM D5185m		782		
	•	ppm					
	Zinc	ppm	ASTM D5185m		949		
	Sulfur	ppm Abo/ 1mm	ASTM D5185m	, OF	2726		
	Oxidation	Abs/.1mm	*ASTM D7414		26.5		
	Base Number (BN)	mg KUH/g	ASTIVI D2896	13.6	8.1		





Report Id: JAMFIS [WUSCAR] 06084276 (Generated: 02/13/2024 14:55:42) Rev: 1

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0158710 Lab Number : 06084276

Unique Number : 10871721

Received **Tested** Diagnosed

: 13 Feb 2024 : 13 Feb 2024 - Jonathan Hester Test Package: MOBCE (Additional Tests: FuelDilution, PercentFuel, TBN)

: 08 Feb 2024 MIKE.JENKINS@JAMESRIVEREQUIPMENT.COM

98 EXPO ROAD FISHERSVILLE, VA US 22939 Contact: MIKE JENKINS

JRE - FISHERSVILLE

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.

T: (540)292-3494 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (540)337-1495