WEAR CONTAMINATION FLUID CONDITION

NORMAL ABNORMAL NORMAL

[W20998-FASTRAC]

JOHN DEERE 245G 1FF245GXLNF802923

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0204451		
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.	Sample Date		Client Info		05 Feb 2024		
	Machine Age	hrs	Client Info		427		
	Oil Age	hrs	Client Info		427		
	Filter Age	hrs	Client Info		427		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
/EAR	Iron	nnm	ASTM D5185m	<u>. 51</u>	27		
CAR		ppm			27		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		1 .1		
	Nickel	ppm	ASTM D5185m ASTM D5185m	>5	<1 .4		
	Titanium Silver	ppm		. 2	<1 0		
	Aluminum	ppm	ASTM D5185m ASTM D5185m		-		
	Lead	ppm	ASTM D5185m		4 2		
	Copper	ppm	ASTM D5185m		13		
	Tin	ppm	ASTM D5185m		7		
	Vanadium	ppm	ASTM D5185m	24	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
<u></u>			Visuai	INOINE			
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	▲ 32		
51	Potassium	ppm	ASTM D5185m	>20	5		
Elemental level of silicon (Si) above normal indicating ingress of seal material.	Fuel	%	ASTM D3524	>2.1	<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	6.5		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	15.4		
	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	0		
-OID CONDITION	Boron	ppm	ASTM D5185m	701	193		
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		0		
	Molybdenum	ppm	ASTM D5185m		5		
	Manganese	ppm	ASTM D5185m		6		
	Magnesium	ppm	ASTM D5185m		22		
	Calcium	ppm	ASTM D5185m		2237		
	Phosphorus	ppm	ASTM D5185m		994		
	Zinc	ppm	ASTM D5185m		1316		
	Sulfur	ppm	ASTM D5185m		2652		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	9.1		
	Base Number (BN)		ASTM D7414 ASTM D2896	13.6	8.2		
	Visc @ 100°C	cSt	ASTM D2030		13.0		







Report Id: JAMBUR [WUSCAR] 06085345 (Generated: 02/13/2024 10:20:25) Rev: 1

Laboratory Sample No. Unique Number: 10872790

Lab Number : 06085345

: JR0204451

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

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

JRE - BURKEVILLE 510 WEST COLONIAL DR : 09 Feb 2024 : 12 Feb 2024 BURKEVILLE, VA : 12 Feb 2024 - Don Baldridge

US 23922 Contact: BRANDON BOLLING bbolling@jamesriverequipment.com

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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