

Machine Id JOHN DEERE 333G 1T0333GMLPF446273 **Diesel Engine** JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOM	MENDATIO	ON	
Oil and filter	change at the ti	me of sampling	g has been

RECOMMENDATION		Test	UOM	Method	Limit/Abn	Current	History1	History2
		Sample Number		Client Info		JR0211380		
Oil and filter change at the time of sa	ampling has been noted. No t this time. Resample at the next	Sample Date		Client Info		10 May 2024		
		Machine Age	hrs	Client Info		470		
service interval to monitor.		Oil Age	hrs	Client Info		0		
		Filter Age	hrs	Client Info		0		
		Oil Changed		Client Info		Changed		
		Filter Changed		Client Info		Changed		
		Sample Status				ABNORMAL		
		·····						
WEAR		Iron	ppm	ASTM D5185m	>51	48		
The copper level is appermal. In the s	e absence of other significant wear ces other than wear (i.e. cooling cal for a new component breaking	Chromium	ppm	ASTM D5185m	>11	1		
		Nickel	ppm	ASTM D5185m	>5	0		
		Titanium	ppm	ASTM D5185m		<1		
in.		Silver	ppm	ASTM D5185m	>3	2		
		Aluminum	ppm	ASTM D5185m	>31	6		
		Lead	ppm	ASTM D5185m		5		
		Copper	ppm	ASTM D5185m	>26	A 324		
		Tin	ppm	ASTM D5185m	>4	1		
		Vanadium	ppm	ASTM D5185m		<1		
		White Metal	scalar	*Visual	NONE	NONE		
		Yellow Metal	scalar	*Visual	NONE	NONE		
		0''''''''''''''''''''''''''''''''''''''				A 00		
CONTAMINATION		Silicon	ppm	ASTM D5185m		▲ 60		
Elemental level of silicon (Si) above n	normal indicating ingress of seal	Potassium	ppm	ASTM D5185m ASTM D3524		2		
material.		Fuel	%			<1.0		
		Water		WC Method	>0.21	NEG		
		Glycol Soot %	0/	WC Method	. 0	NEG 0.4		
		Nitration	%	*ASTM D7844				
			Abs/cm	*ASTM D7624	>20	10.4		
		Sulfation Silt	Abs/.1mm	*ASTM D7415		28.9 NONE		
		Debris	scalar	*Visual	NONE	NONE		
		Sand/Dirt	scalar	*Visual *Visual	NONE	NONE		
			scalar scalar	*Visual	NONE NORML	NORML		
		Appearance Odor	scalar	*Visual	NORML	NORML		
		Emulsified Water		*Visual	>0.21	NEG		
			Scalal	visuai	>0.21	NEG		
FLUID CONDITION		Sodium	ppm	ASTM D5185m	>31	12		
	1	Boron	ppm	ASTM D5185m		124		
The BN result indicates that there is s		Barium	ppm	ASTM D5185m		4		
oil. The condition of the oil is suitable		Molybdenum	ppm	ASTM D5185m		261		
		Manganese	ppm	ASTM D5185m		3		
		Magnesium	ppm	ASTM D5185m		781		
		Calcium	ppm	ASTM D5185m		1878		
		Phosphorus	ppm	ASTM D5185m		951		
		Zinc	ppm	ASTM D5185m		1194		
		Sulfur	ppm	ASTM D5185m		3483		
		Oxidation	Abs/.1mm	*ASTM D7414	>25	27.5		
		Base Number (BN)				6.9		

ASTM D445 15.4

Visc @ 100°C cSt

12.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **JRE - ASHLAND** Sample No. Received 11047 LEADBETTER RD : JR0211380 : 13 May 2024 Lab Number : 06177000 Tested : 14 May 2024 ASHLAND, VA : 14 May 2024 - Don Baldridge US 23005 Unique Number : 11023053 Diagnosed Test Package : CONST (Additional Tests: FuelDilution, TBN) Contact: DAVID ZIEG Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dzieg@jamesriverequipment.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (804)798-6001 F: (804)798-0292 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DAVID ZIEG - JAMASH Page 2 of 2