

[46633] JOHN DEERE 333G 1T0333GMCNF422970

Diesel Engine

{not provided} (--- GAL)

RECOMMENDAT

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Oil and filter change at the corrective action is recomm service interval to monitor.

ION	Test	UOM	Method	Limit/Abn	Current	History1	History2
e time of sampling has been noted. No mended at this time. Resample at the next	Sample Number		Client Info		JR0214438		
	Sample Date		Client Info		09 May 2024		
	Machine Age	hrs	Client Info		523		
	Oil Age	hrs	Client Info		523		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
mal. Elemental level of copper (Cu) probably from copper components (i.e. cooling core) her metal levels are typical for a new	Iron	ppm	ASTM D5185m	>51	73		
	Chromium	ppm	ASTM D5185m	>11	1		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	<1		
	Aluminum	ppm	ASTM D5185m	>31	10		
	Lead	ppm	ASTM D5185m	>26	2		
	Copper	ppm	ASTM D5185m	>26	A 200		
	Tin	ppm	ASTM D5185m	>4	2		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
N	Silicon	ppm	ASTM D5185m	>22	🔺 54		
(Si) above normal indicating ingress of seal	Potassium	ppm	ASTM D5185m	>20	2		
	Fuel		WC Method	>2.1	<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.6		
	Nitration	Abs/cm	*ASTM D7624	>20	12.8		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	31.7		
	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		
DN	Sodium	ppm	ASTM D5185m	>31	14		
hat there is suitable alkalinity remaining in the il is acceptable for the time in service.	Boron	ppm	ASTM D5185m		85		
	Barium	ppm	ASTM D5185m		3		
	Molybdenum	ppm	ASTM D5185m		306		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		864		
	Calcium	ppm	ASTM D5185m		2152		
	Phosphorus	ppm	ASTM D5185m		994		
	Zinc	ppm	ASTM D5185m		1254		
	0.11		AOTH DELCE				

Sulfur

Oxidation

Visc @ 100°C cSt

ppm ASTM D5185m

Base Number (BN) mg KOH/g ASTM D2896

Abs/.1mm *ASTM D7414 >25

ASTM D445

The copper level is abnorm due to leaching of copper fi

WEAR

by the oil additives. All othe component breaking in.

..... CONTAMINATION

Elemental level of silicon (S material.

FLUID CONDITIO

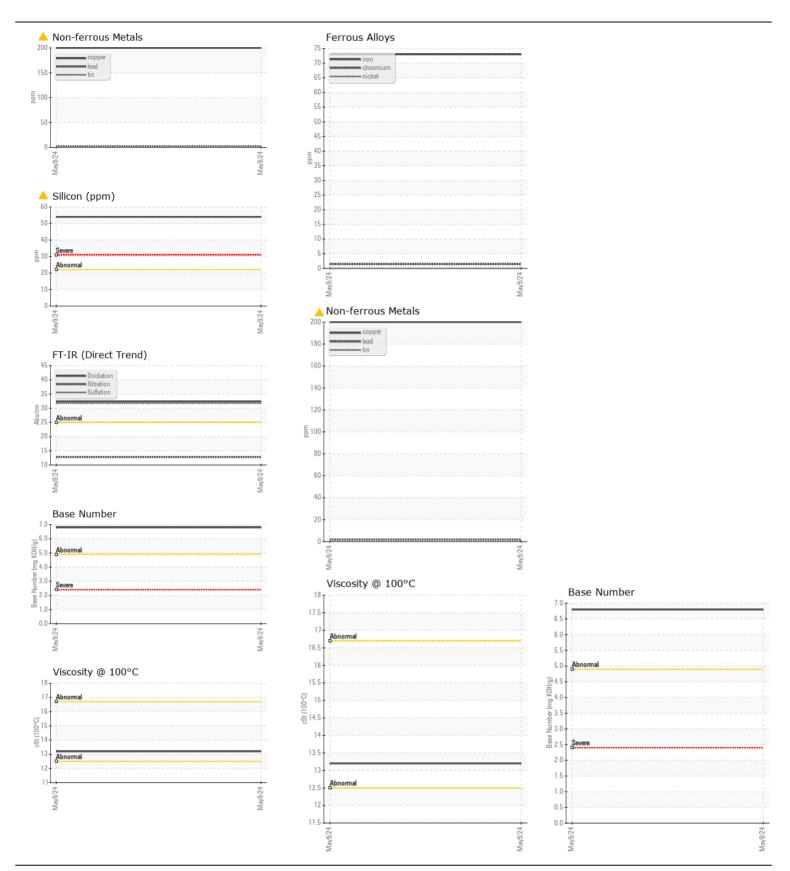
The BN result indicates that oil. The condition of the oil

3363

32.3

6.8

13.2



JRE - MANASSAS PARK Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 9107 OWENS DRIVE : JR0214438 : 10 May 2024 Lab Number : 06175250 MANASSAS PARK, VA Tested : 13 May 2024 : 13 May 2024 - Don Baldridge US 20111 Unique Number : 11021303 Diagnosed Test Package : CONST (Additional Tests: TBN) Contact: DON VEST Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dvest@jamesriverequipment.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (703)631-8500 F: (703)631-4715 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: TECHNICIAN ACCOUNT Page 2 of 2