WEAR CONTAMINATION FLUID CONDITION

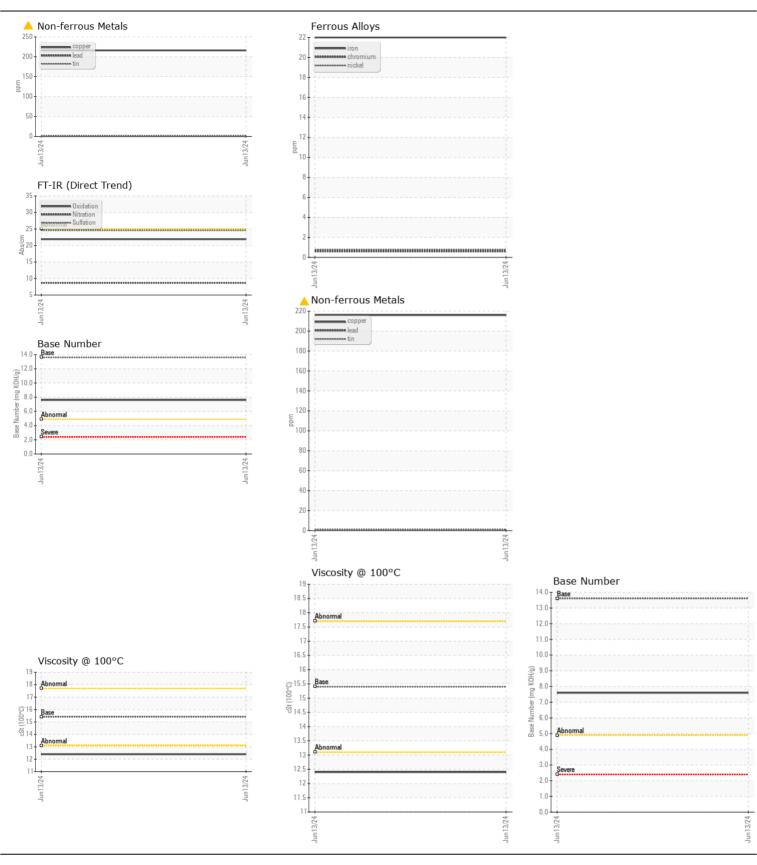
ABNORMAL NORMAL NORMAL

Machine Id

JOHN DEERE 333G 1T0333GMPLF386447

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		WE0007767		
	Sample Date		Client Info		13 Jun 2024		
	Machine Age	hrs	Client Info		187		
	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		
VEAR	Iron	ppm	ASTM D5185m	>51	22		
The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	2		
	Aluminum	ppm	ASTM D5185m		6		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		<u>^</u> 216		
	Tin	ppm	ASTM D5185m		1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m	\22	57		
ONTAMINATION	Potassium	ppm	ASTM D5185m		3		
There is no indication of any contamination in the oil.	Fuel	%	ASTM D316311		<1.0		
	Water	70	WC Method		NEG		
	Glycol		WC Method	<i>></i> 0.∠1	NEG		
	Soot %	%	*ASTM D7844	\3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	8.7		
	Sulfation	Abs/.1mm	*ASTM D7415		24.6		
	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		*Visual	>0.21	NEG		
LUD CONDITION	Codium	nnm	ACTM DE10Em	. 01	10		
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m	>01	10 231		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m ASTM D5185m		3		
	Molybdenum	ppm	ASTM D5185m		239		
	Manganese		ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		694		
	Calcium	ppm	ASTM D5185m		1631		
	Phosphorus	ppm	ASTM D5185m		813		
	Zinc		ASTM D5185m		1014		
	Sulfur	ppm	ASTM D5185m		3155		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	21.9		
	Base Number (BN)				7.6		
	Dase Mullipel (DIN)	my Non/y	70 TIVI D2030	10.0	7.0		







Certificate L2367

Laboratory Sample No.

: WE0007767 Lab Number : 06213085

Unique Number : 11085949

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

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

: 18 Jun 2024 : 20 Jun 2024 : 20 Jun 2024 - Jonathan Hester

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT P.O. BOX 412 NORTHPORT, AL US 35476

Contact: CRAIG ANDOE serve01@warriortractor.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)

T: (205)339-0300