WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL ATTENTION

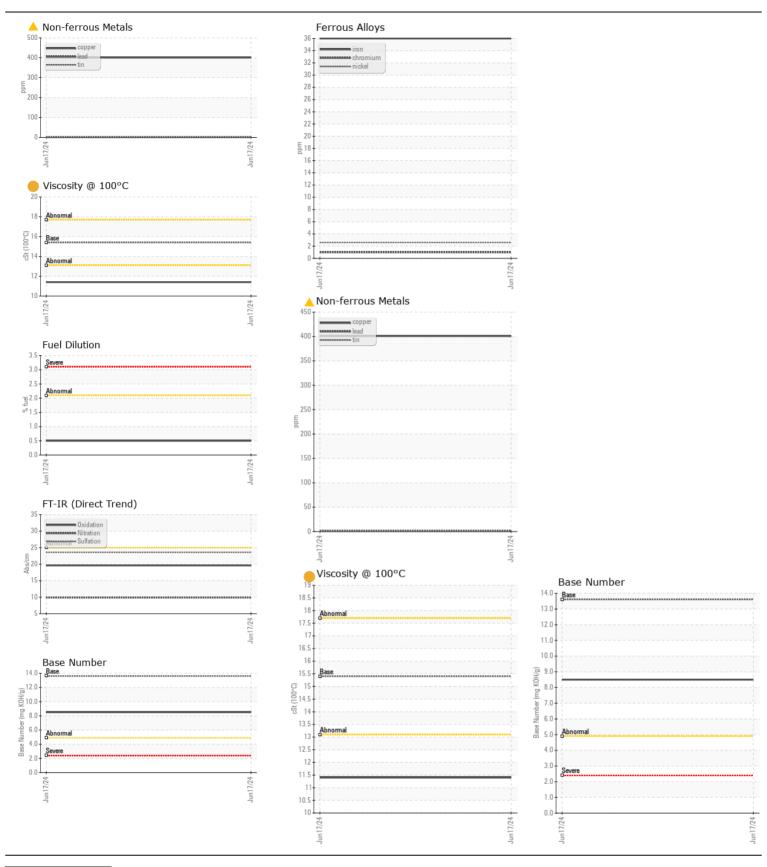
Machine Id

JOHN DEERE 750L 1T0750LXCRF466564

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION	Toct	HOM	Mothad	Limit/Ahn	Current	History	Hictory?
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn		History1	History2
	Sample Number		Client Info		JR0212072 17 Jun 2024		
	Sample Date Machine Age	hro	Client Info		17 Jun 2024 493		
	Oil Age	hrs					
		hrs	Client Info		0		
	Filter Age	hrs	Client Info		-		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
VEAR	Iron	ppm	ASTM D5185m	>51	36		
The copper level is abnormal. Moderate concentration of visible metal present. 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		3		
	Titanium	ppm	ASTM D5185m	70	<1		
	Silver		ASTM D5185m	~3	0		
	Aluminum	ppm	ASTM D5185m		5		
	Lead		ASTM D5185m		ี <1		
	Copper	ppm	ASTM D5185m		< 1 ▲ 401		
	Tin	ppm	ASTM D5185m		2		
	Vanadium	ppm	ASTM D5185m	>4	<1		
	White Metal	ppm	*Visual	NONE	▲ MODER		
		scalar					
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	10		
	Potassium	ppm	ASTM D5185m	>20	4		
Fuel content negligible. There is no indication of any contamination in the oil.	Fuel	%	ASTM D3524	>2.1	0.5		
	Water		WC Method		NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.4		
	Nitration	Abs/cm	*ASTM D7624	>20	9.9		
	Sulfation	Abs/.1mm	*ASTM D7415		23.6		
	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		
			Vioudi				
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	3		
	Boron	ppm	ASTM D5185m		131		
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		2		
	Molybdenum	ppm	ASTM D5185m		248		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		851		
	Calcium	ppm	ASTM D5185m		1582		
	Phosphorus	ppm	ASTM D5185m		936		
	Zinc	ppm	ASTM D5185m		1202		
	Sulfur	ppm	ASTM D5185m		2587		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.6		
	Base Number (BN)				8.5		
	(צום) ושמוווטרו ושמט ושמט ו	my nony	, 10 HVI D2000	10.0	0.0		





Laboratory Sample No.

Lab Number : 06216548

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0212072 Unique Number : 11089412

Received **Tested**

: 21 Jun 2024 Diagnosed

: 25 Jun 2024 : 25 Jun 2024 - Jonathan Hester

JRE - ASHLAND 11047 LEADBETTER RD ASHLAND, VA US 23005 Contact: DAVID ZIEG

Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

dzieg@jamesriverequipment.com T: (804)798-6001

* - 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)

F: (804)798-0292 Contact/Location: DAVID ZIEG - JAMASH