WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

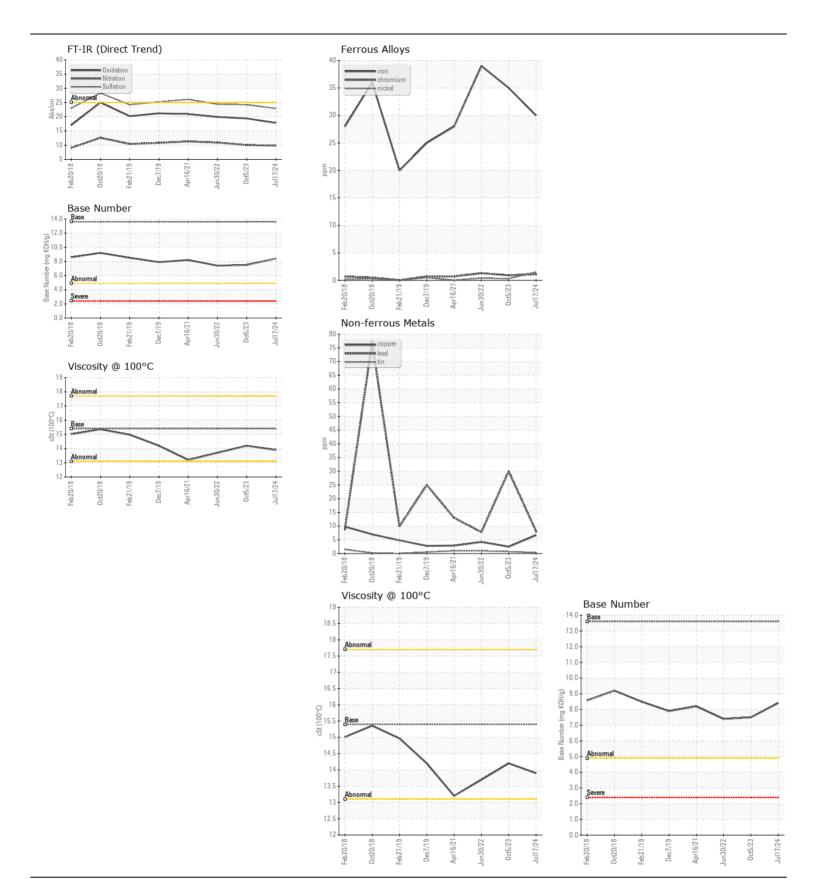


[16W16670]

JOHN DEERE 650K 3601782 (S/N 1T0650KXLGF292963)

Diesel Engine

	JS 50 II 15W		<u> </u>		.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. (Customer Sample Comment: 16W16670)	Sample Number		Client Info		JR0217417		JR0121911
	Sample Date		Client Info		17 Jul 2024	05 Oct 2023	30 Jun 2022
	Machine Age	hrs	Client Info		4963	4474	3942
	Oil Age	hrs	Client Info		489	532	484
	Filter Age	hrs	Client Info		489	532	484
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>51	30	35	39
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	1	<1	1
	Nickel	ppm	ASTM D5185m	>5	2	<1	<1
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		6	7	6
	Lead	ppm	ASTM D5185m		8	△ 30	8
	Copper	ppm	ASTM D5185m		7	2	4
	Tin	ppm	ASTM D5185m		<1	<1	1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	8	10	9
	Potassium	ppm	ASTM D5185m	>20	4	<1	<1
There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.6	0.8	0.8
	Nitration	Abs/cm	*ASTM D7624	>20	9.8	10.0	10.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	24.2	24.4
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water		*Visual	>0.21	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	3	<1	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		188	137	158
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		246	262	145
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		814	872	515
	Calcium	ppm	ASTM D5185m		1422	1541	1543
	Phosphorus	ppm	ASTM D5185m		890	951	835
	Zinc	ppm	ASTM D5185m		1020	1171	1045
	Sulfur	ppm	ASTM D5185m		3123	3095	3563
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.8	19.4	19.9
	Base Number (BN)	mg KOH/g	ASTM D2896		8.4	7.5	7.4
	Daco Hambol (Bit)	99	7101111 2 2000			7.10	







Certificate L2367

Laboratory Sample No.

Lab Number : 06239928 Unique Number : 11128762

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0217417

Received **Tested** Diagnosed Test Package : CONST (Additional Tests: TBN)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 18 Jul 2024

: 18 Jul 2024 : 19 Jul 2024 - Don Baldridge

JRE - CASTLE HAYNE 113 CROWATAN ROAD CASTLE HAYNE, NC US 28429-5819

Contact: WILMINGTON SHOP

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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.

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