WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL



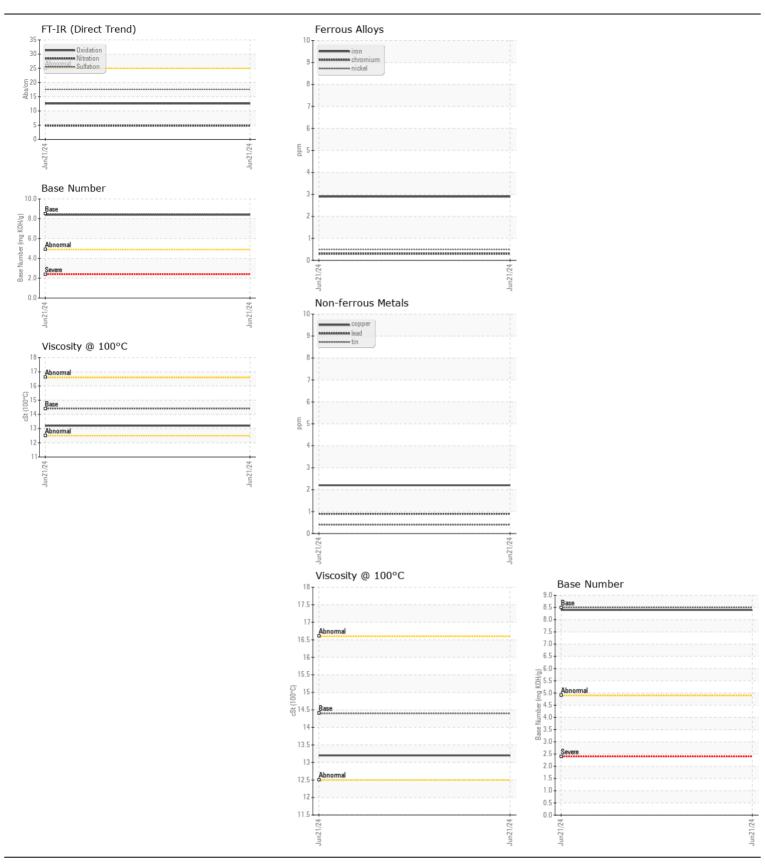
Machine Id

JOHN DEERE 650K-II 1T0650KKTJF332251

Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- GAL)

Recommendation Test UOM Method Linkker Current History Histo	DIESEL ENGINE OIL SAE 40 (GAL)						
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Picase confirm. Machine Age hrs Client Info 750 Filter Ohanged Client Info 750 Filter Changed Client Info 750 Filter Cha	RECOMMENDATION	Test	LIOM	Method	Limit/Ahn	Current	History1	History2
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERICO) DIESEL ENGINE OIL SAE 40, Please confirm.	Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC)		00.01		LITTIO / COTT			
Machine Age Note Client Info 750								
Oil Age hrs Client Info 750			hrs					
Filter Age hrs Client Info NA NA NA NA NA NA NA N		J						
Oil Changed Cilent Info NA NA NA NA NA NA NA N								
Filter Changed Client Info NA NORMAL N		•	1113					
No		_						
Iron		_		Olletti IIIIO				
Metal levels are typical for a components first oil change. Nickel pm		Sample Status				NONWAL		
Metal levels are typical for a components first oil change. Nickel pm	WEAR	Iron	ppm	ASTM D5185m	>51	3		
Nickel ppm ASTM D5185m 55 <1		Chromium		ASTM D5185m	>11			
Titanium ppm ASTM D5185m <1 Sliver ppm ppm ASTM D5185m >3 <1 ASTM D5185m >3 <1 Copper ppm ASTM D5185m >6 <1 Copper ppm ASTM D5185m >6 <1 Copper ppm ASTM D5185m >6 <1 Vanadium ppm ASTM D5185m >6 <2 Vanadium ppm ASTM D5185m >6 <2 Vanadium ppm ASTM D5185m >6 <1 Vanadium ppm ASTM D5185m >6 <1 Vanadium ppm ASTM D5185m >6 <2 Valuer WC Method >0 >0 Valuer WC Method >0 >0 >0 >0 Valuer WC Method >0 >0 >0 >0 Valuer WC Method >0 >0 >0 >0 >0 Valuer WC Method >0 >0 >0 >0 >0 >0 >0 >		Nickel						
Silver ppm ASTM D5186m >3 <1		Titanium		ASTM D5185m		<1		
Aluminum ppm ASTM 05185m >36 < 1					>3			
Lead								
Copper								
Tin					-			
Vanadium ppm ASTM D5185m <1								
White Metal Yellow Metal Scalar Visual NONE NONE NON								
Secont					NONE			
Silicon ppm ASTM D5185m 22 7								
Potassium ppm ASTM 05185m >20 3								
Potassium ppm ASTM 05185m >20 3	CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	7		
Water W.C. Method So.21 NEG NEG NEG So.21 NEG So.21 NEG So.21 NEG So.22		Potassium	ppm	ASTM D5185m	>20	3		
Glycol	There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0		
Soot %		Water		WC Method	>0.21	NEG		
Nitration		Glycol		WC Method		NEG		
Sulfation Abs/.tmm *ASTM D7415 >30 17.6		Soot %	%	*ASTM D7844	>3	0		
Silt scalar *Visual NONE NONE		Nitration	Abs/cm	*ASTM D7624	>20	4.8		
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NORML NORML Scalar *Visual NORML NORML Scalar *Visual NORML NORML Scalar *Visual NORML NORML Scalar *Visual NORML *Visual *Visual NORML *Visual *Visual NORML *Visual *Vi		Sulfation	Abs/.1mm	*ASTM D7415	>30	17.6		
Sand/Dirt Scalar *Visual NONE NONE NORML Appearance Scalar *Visual NORML NOR		Silt	scalar	*Visual	NONE	NONE		
Appearance		Debris	scalar	*Visual	NONE	NONE		
Codor Scalar *Visual NORML NORML Fmulsified Water Scalar *Visual Scalar *Visual *Scalar *Visual Scalar *Visual Scalar *Visual *Scalar *Visual		Sand/Dirt	scalar	*Visual	NONE	NONE		
Emulsified Water scalar *Visual >0.21 NEG		Appearance	scalar	*Visual	NORML	NORML		
Sodium ppm ASTM D5185m >216 <1 Boron ppm ASTM D5185m 250 158 Barium ppm ASTM D5185m 10 1 Molybdenum ppm ASTM D5185m 100 52 Manganese ppm ASTM D5185m 450 296 Phosphorus ppm ASTM D5185m 1150 843 Zinc ppm ASTM D5185m 1350 1049 Sulfur ppm ASTM D5185m 4250 3087 Sulfur ppm ASTM D5185m 4250 3087 Base Number (BN) mg KOHg ASTM D2896 8.5 8.4		Odor	scalar	*Visual	NORML	NORML		
Boron ppm ASTM D5185m 250 158 Molybdenum ppm ASTM D5185m 10 1 Manganese ppm ASTM D5185m 10 1 Manganese ppm ASTM D5185m 100 52 Manganese ppm ASTM D5185m 450 296 Calcium ppm ASTM D5185m 3000 1579 Phosphorus ppm ASTM D5185m 1150 843 Sulfur ppm ASTM D5185m 1350 1049 Sulfur ppm ASTM D5185m 4250 3087 Oxidation Abs/.1mm *ASTM D5185m 4250 3087 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4		Emulsified Water	scalar	*Visual	>0.21	NEG		
Boron ppm ASTM D5185m 250 158 Molybdenum ppm ASTM D5185m 10 1 Manganese ppm ASTM D5185m 10 1 Manganese ppm ASTM D5185m 100 52 Manganese ppm ASTM D5185m 450 296 Calcium ppm ASTM D5185m 3000 1579 Phosphorus ppm ASTM D5185m 1150 843 Sulfur ppm ASTM D5185m 1350 1049 Sulfur ppm ASTM D5185m 4250 3087 Oxidation Abs/.1mm *ASTM D5185m 4250 3087 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4								
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Barium ppm ASTM D5185m 100 52	FLUID CONDITION		ppm					
oil. The condition of the oil is suitable for further service. Molybdenum ppm ASTM D5185m 100 52 Magnesium ppm ASTM D5185m 450 296 Calcium ppm ASTM D5185m 3000 1579 Phosphorus ppm ASTM D5185m 1150 843 Zinc ppm ASTM D5185m 1350 1049 Sulfur ppm ASTM D5185m 4250 3087 Oxidation Abs/.1mm *ASTM D7414 >25 12.6 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4	The RN result indicates that there is suitable alkalinity remaining in the		ppm					
Molybdenum ppm ASTM D5185m 100 52 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 450 296 Calcium ppm ASTM D5185m 3000 1579 Phosphorus ppm ASTM D5185m 1150 843 Zinc ppm ASTM D5185m 1350 1049 Sulfur ppm ASTM D5185m 4250 3087 Oxidation Abs/.1mm *ASTM D7414 >25 12.6 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4			ppm					
Magnesium ppm ASTM D5185m 450 296 Calcium ppm ASTM D5185m 3000 1579 Phosphorus ppm ASTM D5185m 1150 843 Zinc ppm ASTM D5185m 1350 1049 Sulfur ppm ASTM D5185m 4250 3087 Oxidation Abs/.1mm *ASTM D7414 >25 12.6 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4		•	ppm		100			
Calcium ppm ASTM D5185m 3000 1579 Phosphorus ppm ASTM D5185m 1150 843 Zinc ppm ASTM D5185m 1350 1049 Sulfur ppm ASTM D5185m 4250 3087 Oxidation Abs/.1mm *ASTM D7414 >25 12.6 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4			ppm					
Phosphorus ppm ASTM D5185m 1150 843 Zinc ppm ASTM D5185m 1350 1049 Sulfur ppm ASTM D5185m 4250 3087 Oxidation Abs/.1mm *ASTM D7414 >25 12.6 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4		_						
Zinc ppm ASTM D5185m 1350 1049 Sulfur ppm ASTM D5185m 4250 3087 Oxidation Abs/.1mm *ASTM D7414 >25 12.6 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4								
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Oxidation Abs/.1mm *ASTM D7414 >25 12.6 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4								
Base Number (BN) mg KOH/g ASTM D2896 8.5 8.4			ppm					
Visc @ 100°C cSt ASTM D445 14.4 13.2		()						
		Visc @ 100°C	cSt	ASTM D445	14.4	13.2		







Laboratory Sample No. Unique Number : 11097675

: JR0219693 Lab Number : 06219478

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

Tested Diagnosed

: 25 Jun 2024 : 26 Jun 2024

: 26 Jun 2024 - Wes Davis

CARLTON'S BACKHOE 9550 STATESVILLE ROAD

CHARLOTTE, NC US 28269

T: (704)547-0211

Contact: LEO

Test Package : CONST (Additional Tests: TBN) 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)

F: