

## WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

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## {UNASSIGNED} [A35749] Machine Id JOHN DEERE 544K 1DW544KZCFf670872 Component Component Component

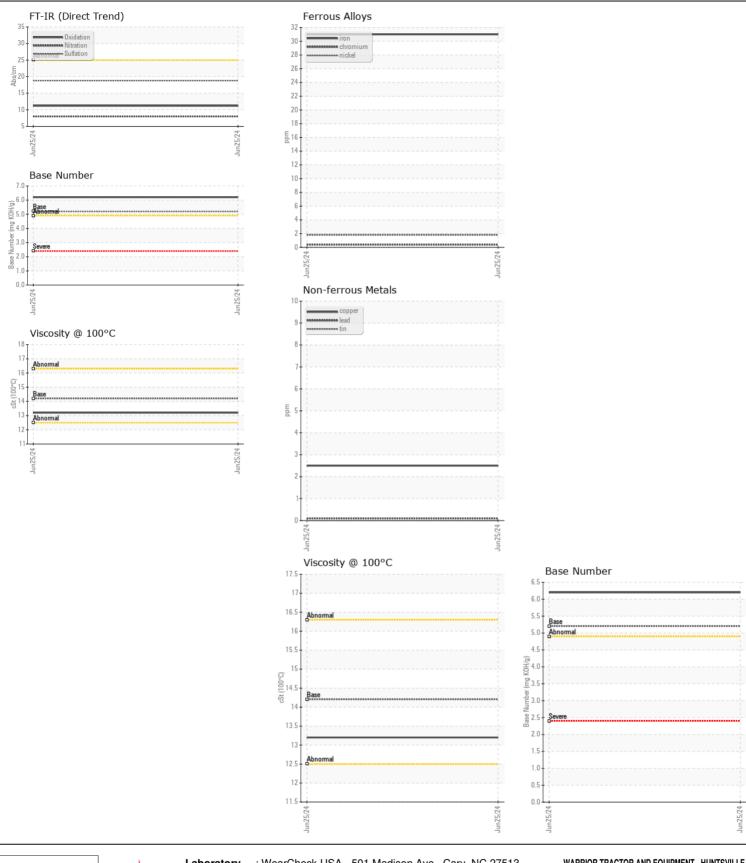
Oil Filter Diesel Engine

SHELL ROTELLA S 10W40 (8 GAL)

RECOMMENDATION	Teet	UOM	Mathad	Limit/Abn	Cumant	lliotom/1	Lliotom/O
RECOMMENDATION Resample at the next service interval to monitor. ( Customer Sample Comment: A35749 )	Test Sample Number	UOIVI	Method Client Info	Limit/Abn	Current WE0007603	History1	History2
	Sample Date		Client Info		25 Jun 2024		
	Machine Age	hrs	Client Info		14554		
	Oil Age	hrs	Client Info		400		
	Filter Age	hrs	Client Info		400		
	Oil Changed	1113	Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>51	31		
	Chromium	ppm	ASTM D5185m	>11	<1		
	Nickel	ppm	ASTM D5185m	>5	2		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m	>31	3		
	Lead	ppm	ASTM D5185m	>26	<1		
	Copper	ppm	ASTM D5185m	>26	2		
	Tin	ppm	ASTM D5185m	>4	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m		4		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3		
	Fuel			>2.1	<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol	0/	WC Method	0	NEG		
	Soot %	%	*ASTM D7844		0.4		
	Nitration	Abs/cm	*ASTM D7624		8.0		
	Sulfation	Abs/.1mm	*ASTM D7415		18.8		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance Odor	scalar scalar	*Visual *Visual	NORML NORML	NORML NORML		
	Emulsified Water		*Visual	>0.21	NEG		
		Scalai	visuai	>0.21			
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m	>31	3		
	Boron	ppm	ASTM D5185m		15		
	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	0	19		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m	291	57		
	Calcium	ppm	ASTM D5185m	392	2126		
	Phosphorus	ppm	ASTM D5185m	535	864		
	Zinc	ppm	ASTM D5185m	557	1054		
	Sulfur	ppm	ASTM D5185m		3413		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	11.2		
	Base Number (BN)	mg KOH/g			6.2		
		<u></u>	AOTH DATE	110			

Visc @ 100°C cSt ASTM D445 14.2

13.2



WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WE0007603 Received : 27 Jun 2024 25135 ONE AVIATION WAY SW Lab Number : 06222015 Tested MADISON, AL : 27 Jun 2024 Unique Number : 11100212 Diagnosed : 28 Jun 2024 - Don Baldridge US 35756 Test Package : CONST (Additional Tests: TBN) Contact: HERBERT STONE Certificate L2367 WTE013@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. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)