

Machine Id JOHN DEERE 7760 1N07760XEB0035374 Component Diesel Engine Fluid JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

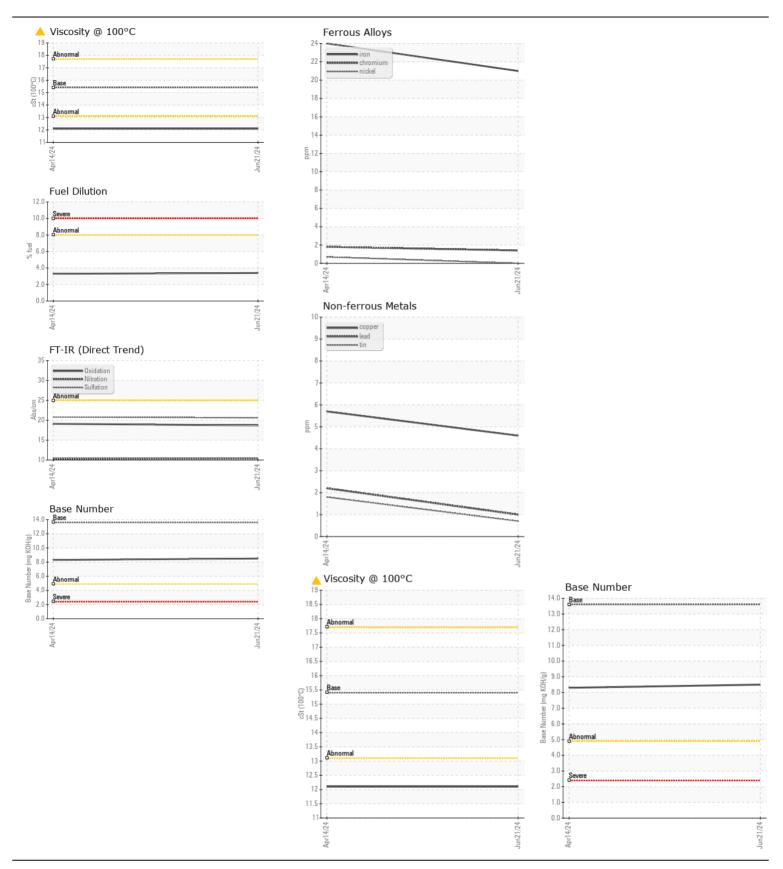
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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0172350	JR0201505	
	Sample Date		Client Info		21 Jun 2024	14 Apr 2024	
	Machine Age	hrs	Client Info		3913	3799	
	Oil Age	hrs	Client Info		3714	0	
	Filter Age	hrs	Client Info		3714	0	
	Oil Changed		Client Info		Not Changd	N/A	
	Filter Changed		Client Info		Not Changd	N/A	
	Sample Status				MARGINAL	NORMAL	
					0 4	04	
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m		21	24	
	Chromium	ppm	ASTM D5185m		1	2	
	Nickel	ppm	ASTM D5185m	>5	0	<1	
	Titanium	ppm	ASTM D5185m	0	0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		1	2	
	Lead	ppm	ASTM D5185m		1	2	
	Copper	ppm	ASTM D5185m		5	6	
	Tin	ppm	ASTM D5185m	>4	<1	2	
	Vanadium White Metal	ppm	ASTM D5185m *Visual	NONE			
		scalar			NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION Fuel content negligible. There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>22	5	6	
	Potassium	ppm	ASTM D5185m		1	2	
	Fuel	%	ASTM D3524		3.4	3.3	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.4	0.4	
	Nitration	Abs/cm	*ASTM D7624	>20	10.4	10.3	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	20.8	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	
FLUID CONDITION The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.							
	Sodium	ppm	ASTM D5185m	>31	4	5	
	Boron	ppm	ASTM D5185m		26	30	
	Barium	ppm	ASTM D5185m		0	<1	
	Molybdenum	ppm	ASTM D5185m		59	63	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		1107	1092	
	Calcium	ppm	ASTM D5185m		840	858	
	Phosphorus	ppm	ASTM D5185m		1004	1083	
	Zinc	ppm	ASTM D5185m		1279	1227	
	Sulfur	ppm	ASTM D5185m	05	3706	3280	
	Oxidation	Abs/.1mm	*ASTM D7414		18.7	19.1	
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.5	8.3	

Visc @ 100°C cSt

ASTM D445 15.4

12.1

12.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **JRE - WAKEFIELD** Sample No. : JR0172350 Received 10489 GENERAL MAHONE HWY : 24 Jun 2024 Lab Number : 06218020 Tested : 27 Jun 2024 WAKEFIELD, VA US 23888 Unique Number : 11096217 Diagnosed : 27 Jun 2024 - Jonathan Hester Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN) Contact: BILL ACKER Certificate L2367 backer@jamesriverequipment.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: (757)899-3232 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (757)899-6464

Contact/Location: BILL ACKER - JAMWAK Page 2 of 2