

JOHN DEERE 843L 1DW843LXLHF679311

Diesel Engine

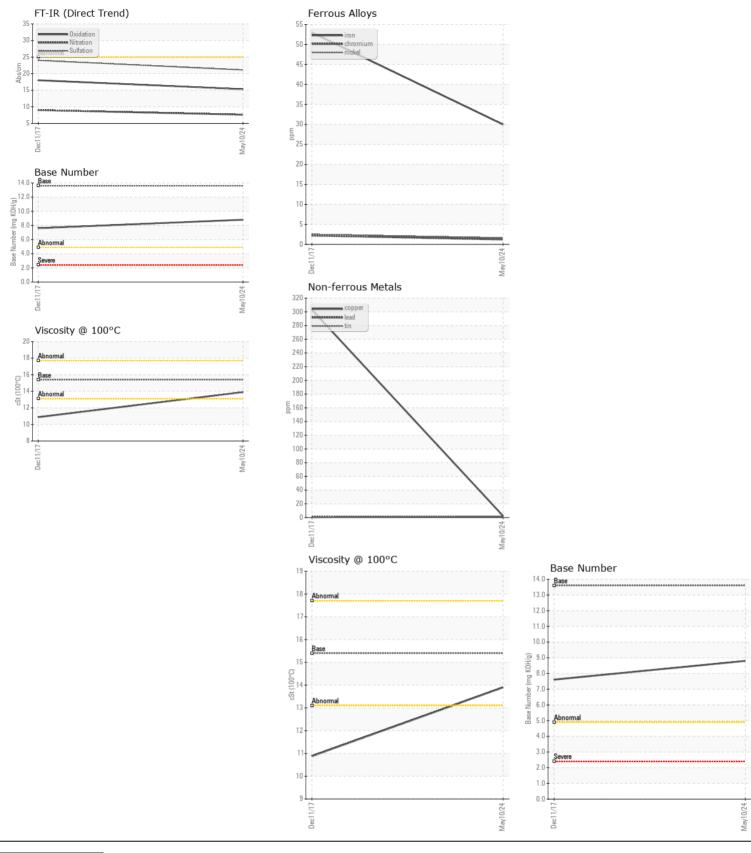
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (7 GAL)

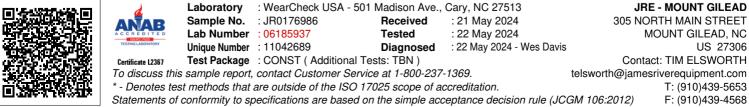
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 ((GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0176986	JRMC446103	
	Sample Date		Client Info		10 May 2024	11 Dec 2017	
	Machine Age	hrs	Client Info		6009	706	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	N/A	
	Sample Status				NORMAL	ABNORMAL	
WEAR	Iron	ppm	ASTM D5185m	>51	30	53	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	1	2	
	Nickel	ppm	ASTM D5185m	>5	2	2	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>3	<1	0	
	Aluminum	ppm	ASTM D5185m	>31	6	16	
	Lead	ppm	ASTM D5185m	>26	<1	<1	
	Copper	ppm	ASTM D5185m	>26	2	🔺 303	
	Tin	ppm	ASTM D5185m	>4	1	0	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	10	11	
These is no indication of any contemportion in the cill	Potassium	ppm	ASTM D5185m	>20	3	26	
There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0	<1.0	
	Water		WC Method	>0.21	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.4	0.7	
	Nitration	Abs/cm	*ASTM D7624	>20	7.6	9.	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	24.	
	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	Sodium	ppm	ASTM D5185m	>31	4	7	
	Boron	ppm	ASTM D5185m		128	76	
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		0	2	
	Molybdenum	ppm	ASTM D5185m		256	236	
	Manganese	ppm	ASTM D5185m		1	5	
	Magnesium	ppm	ASTM D5185m		825	773	
	Calcium	ppm	ASTM D5185m		1455	1480	
	Phosphorus	ppm	ASTM D5185m		952	854	
	Zinc	ppm	ASTM D5185m		1113	998	
	Sulfur	ppm	ASTM D5185m		3244	2301	
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.3	18.	
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.8	7.61	
		<u> </u>				10.05	

Visc @ 100°C cSt ASTM D445 15.4

10.88

13.9





Contact/Location: TIM ELSWORTH - JAMMOUJR Page 2 of 2