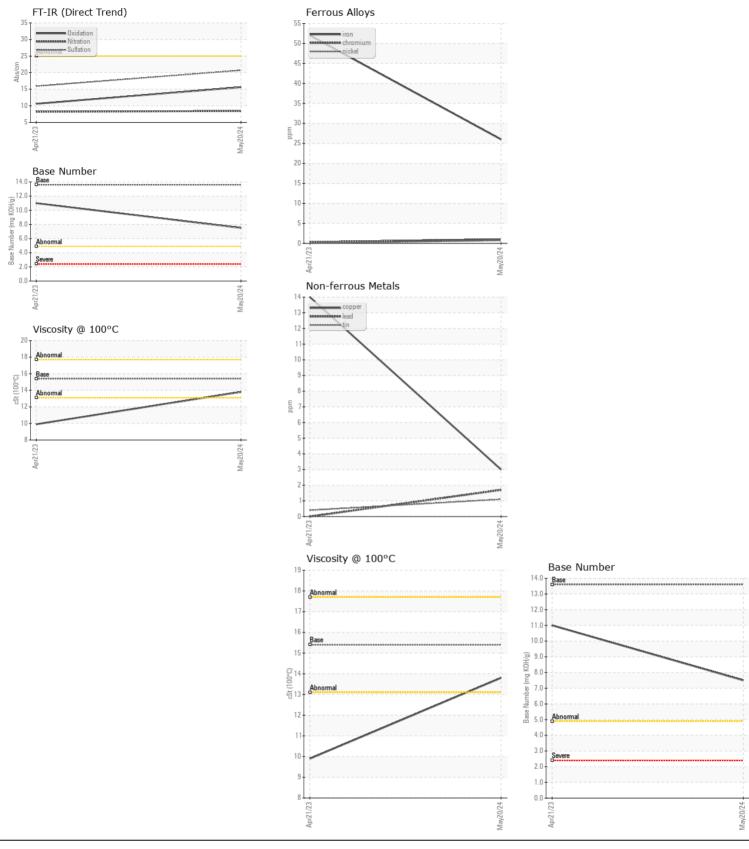


Machine Id JOHN DEERE 1FF035GXCMK296389 Componen

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (8 QTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0217860	JR0168843	
	Sample Date		Client Info		20 May 2024	21 Apr 2023	
	Machine Age	hrs	Client Info		979	500	
	Oil Age	hrs	Client Info		479	500	
	Filter Age	hrs	Client Info		479	500	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	ATTENTION	
WEAR	Iron	ppm	ASTM D5185m	>51	26	52	
	Chromium	ppm	ASTM D5185m	>11	1	<1	
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m	>5	<1	0	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>3	1	0	
	Aluminum	ppm	ASTM D5185m	>31	7	4	
	Lead	ppm	ASTM D5185m	>26	2	0	
	Copper	ppm	ASTM D5185m	>26	3	14	
	Tin	ppm	ASTM D5185m	>4	1	<1	
	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	16	50	
SONTAMINATION	Potassium	ppm	ASTM D5185m		3	<1	
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		<1.0	1.7	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method	20.ET	NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.3	0.3	
	Nitration	Abs/cm	*ASTM D7624		8.4	8.2	
	Sulfation	Abs/.1mm	*ASTM D7415		20.7	15.9	
	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	
	·····				•	47	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	3	17	
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		280	68	
	Barium	ppm	ASTM D5185m		0	14	
	Molybdenum	ppm	ASTM D5185m		258	128	
	Manganese	ppm	ASTM D5185m		1	2	
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		832	108	
	Phosphorus	ppm	ASTM D5185m ASTM D5185m		1567 973	3667 1054	
	Zinc	ppm	ASTM D5185m ASTM D5185m		973 1148	1348	
	Sulfur	ppm	ASTM D5185m ASTM D5185m			6746	
	Oxidation	ppm Abs/.1mm	*ASTM D5185m	> 2E	3664 15.6	10.6	
	Base Number (BN)				7.5	11.0	
	Dase Mulliper (DIV)		AGTIVI D2090	10.0	1.5	11.0	



: WearCheck USA - 501 Madison Ave., Cary, NC 27513 NPL CONSTRUCTION Laboratory Sample No. : JR0217860 Received : 21 May 2024 7611 COPPERMINE DR Lab Number : 06185933 Tested : 22 May 2024 MANASSAS, VA Unique Number : 11042685 Diagnosed : 22 May 2024 - Wes Davis US 20109-2668 Test Package : CONST (Additional Tests: TBN) Contact: BRANDON Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. a * - 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)

Submitted By: TECHNICIAN ACCOUNT Page 2 of 2