

JOHN DEERE 1T0310SLAGF300909

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (13 QTS)

JOHN DEERE ENGINE OIL FL03 30 II 13W40 (
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0217690	JR0172719	JR0153168
	Sample Date		Client Info		30 May 2024	12 May 2023	07 Dec 2022
	Machine Age	hrs	Client Info		1455	1237	1160
	Oil Age	hrs	Client Info		218	77	54
	Filter Age	hrs	Client Info		218	77	54
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	26	17	3
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	<1	0
	Nickel	ppm	ASTM D5185m	>5	<1	<1	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	6	3	2
	Lead	ppm	ASTM D5185m	>26	<1	<1	0
	Copper	ppm	ASTM D5185m	>26	2	1	2
	Tin	ppm	ASTM D5185m	>4	<1	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	6	7	5
	Potassium	ppm	ASTM D5185m	>20	2	2	0
There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	8.3	6.8	7.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	20.4	21.6
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	0	<1	0
	Boron	ppm	ASTM D5185m		302	296	325
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		<1	3	0
	Molybdenum	ppm	ASTM D5185m		265	263	237
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		802	811	802
	Calcium	ppm	ASTM D5185m		1432	1395	1446
	Phosphorus	ppm	ASTM D5185m		967	932	872
	Zinc	ppm	ASTM D5185m		1129	1084	1042
	Sulfur	ppm	ASTM D5185m		3540	3188	3613
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	15.7	16.3
	Base Number (BN)				8.8	9.8	10.9

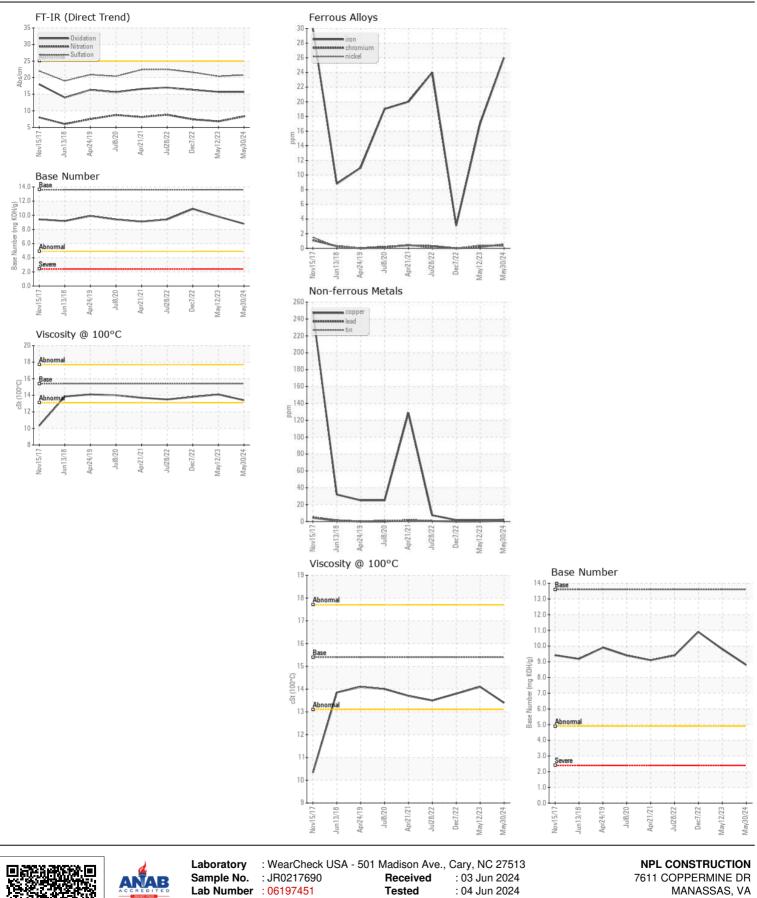
Visc @ 100°C cSt

ASTM D445 15.4

14.1

13.8

13.4



 Unique Number
 : 11059574
 Diagnosed
 : 04 Jun 2024 - Wes Davis

 Certificate L2367
 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)

US 20109-2668 Contact: BRANDON T:

F:

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