

## [127687] JOHN DEERE 844L 1DW844LXCNL714937 Diesel Engine

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

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (*	(13)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WE0007957	WE0006841	WE0006373
	Sample Date		Client Info		17 Jul 2024	11 Apr 2024	02 Feb 2024
	Machine Age	hrs	Client Info		4019	3472	3039
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	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	14	17	23
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	0	0	<1
	Nickel	ppm	ASTM D5185m	>5	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	4	4	5
	Lead	ppm	ASTM D5185m	>26	2	2	5
	Copper	ppm	ASTM D5185m		3	5	9
	Tin	ppm	ASTM D5185m	>4	0	2	1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	8	7	12
	Potassium	ppm	ASTM D5185m	>20	<1	2	3
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	0.6	0.5	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	9.3	9.5	9.1
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.7	23.3	24.0
	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	6	5	0
	Boron	ppm	ASTM D5185m		115	165	201
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	<1	6
	Molybdenum	ppm	ASTM D5185m		246	222	353
	Manganese	ppm	ASTM D5185m		<1	<1	0
	Magnesium	ppm	ASTM D5185m		796	809	1104
	Calcium	ppm	ASTM D5185m		1382	1388	1614
	Phosphorus	ppm	ASTM D5185m		836	815	915
	Zinc	ppm	ASTM D5185m		961	984	1297
	Sulfur	ppm	ASTM D5185m		3160	3359	3587
	Oxidation	Abs/.1mm	*ASTM D7414		16.8	17.2	17.4
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	7.4	8.6	7.5
		- 01		4 - 4		40 5	40.4

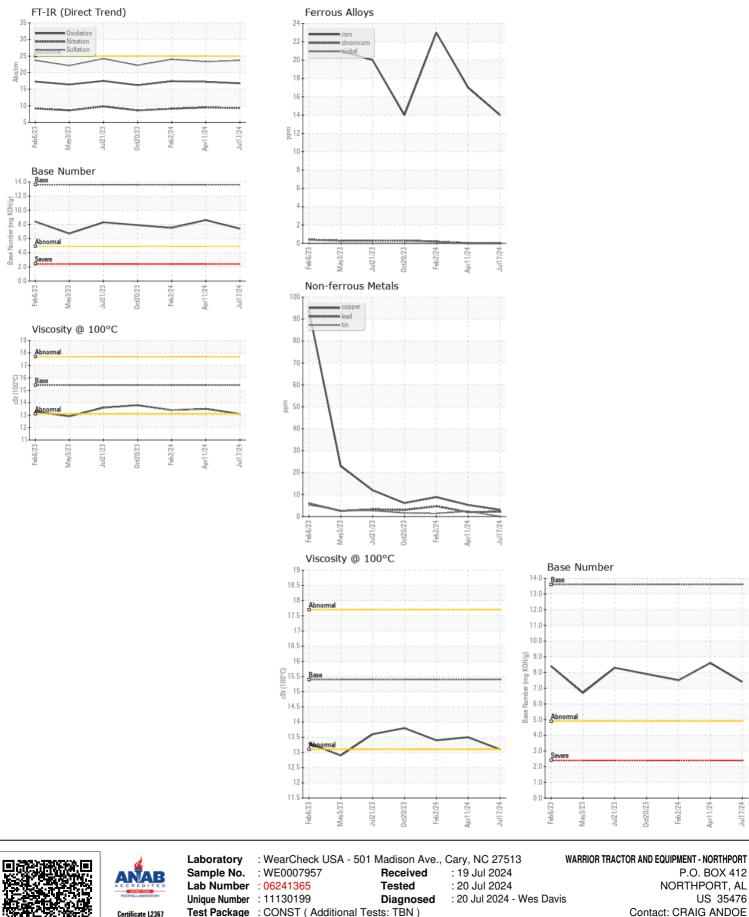
Visc @ 100°C cSt

ASTM D445 15.4

13.5

13.4

13.1



- 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)

Contact/Location: CRAIG ANDOE - WARNOR Page 2 of 2

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