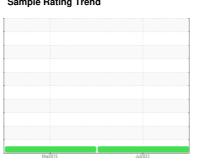


## **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



# KENWORTH W900L 167404

Component

**Diesel Engine** 

**JOHN DEERE ENGINE OIL PLUS 50 II 15W4** 

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

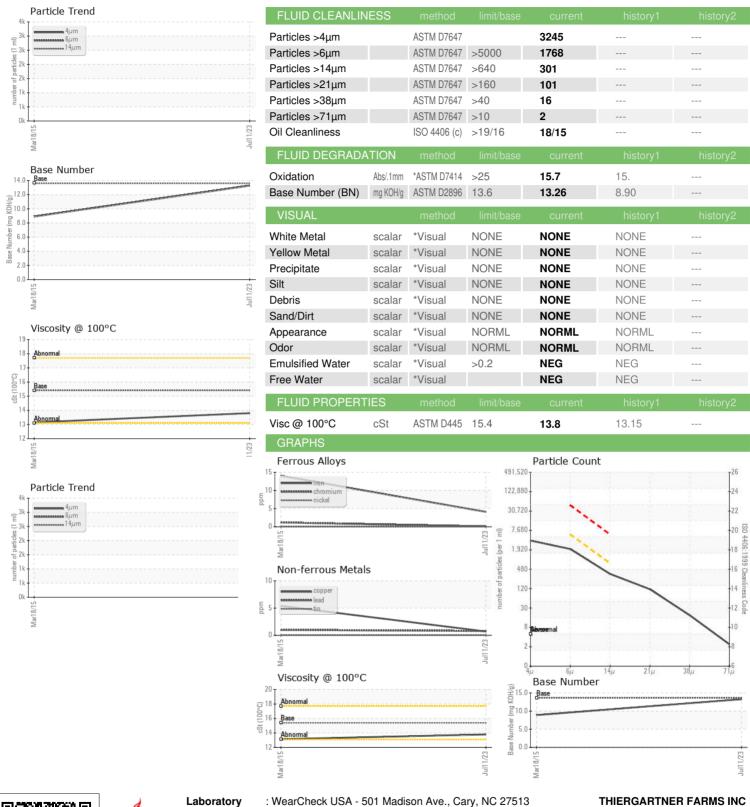
### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

40 (44 QTS)			Mar2015	Jul2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0005460	KLMFA13343	
Sample Date		Client Info		11 Jul 2023	18 Mar 2015	
Machine Age	mls	Client Info		0	600000	
Oil Age	mls	Client Info		5512	6000	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	V	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>165	4	14	
Chromium	ppm	ASTM D5185m	>5	<1	1	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m	>2	<1	63	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>20	<1	4	
Lead	ppm	ASTM D5185m	>150	<1	1	
Copper	ppm	ASTM D5185m	>90	<1	5	
Tin	ppm	ASTM D5185m	>5	0	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		21	66	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		79	20	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m		1036	270	
Calcium	ppm	ASTM D5185m		1157	1879	
Phosphorus	ppm	ASTM D5185m		1062	1031	
Zinc	ppm	ASTM D5185m		1326	1199	
Sulfur	ppm	ASTM D5185m		3934	1242	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	4	4	
Sodium	ppm	ASTM D5185m		15	6	
Potassium	ppm	ASTM D5185m	>20	<1	7	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	0.2	0.4	
Nitration	Abs/cm	*ASTM D7624	>20	7.3	8.	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	20.	



## OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 05900157 : 10561513

: KL0005460

Received Diagnosed

: 17 Jul 2023 : 19 Jul 2023 Diagnostician : Jonathan Hester

Test Package : MOB 2 ( Additional Tests: PrtCount ) 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.

THIERGARTNER FARMS INC 20446 SABINE-BIGELOW RD MILFORD CENTER, OH

US 43045

Contact: STAN bethere.thiergartner@yahoo.com

Contact/Location: STAN - THIMIL

T: (937)537-0050 F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)