



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 844P LX07617
 Component
Diesel Engine
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197661	JR0197662	---
Sample Date		Client Info		09 Jan 2024	08 Jan 2024	---
Machine Age	hrs	Client Info		32	31	---
Oil Age	hrs	Client Info		1	31	---
Filter Age	hrs	Client Info		3	31	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	1	6	---
Chromium	ppm	ASTM D5185m	>11	0	0	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>31	2	1	---
Lead	ppm	ASTM D5185m	>26	0	2	---
Copper	ppm	ASTM D5185m	>26	<1	14	---
Tin	ppm	ASTM D5185m	>4	<1	1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

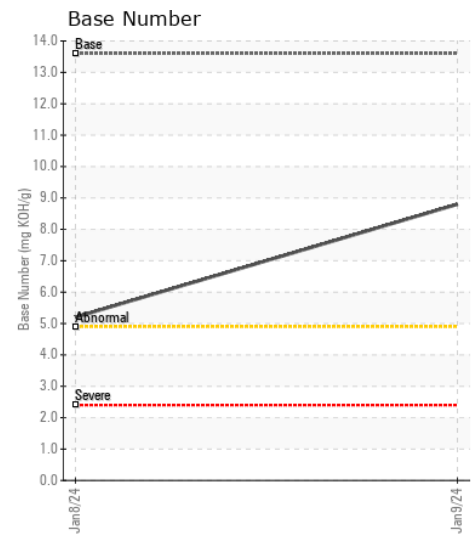
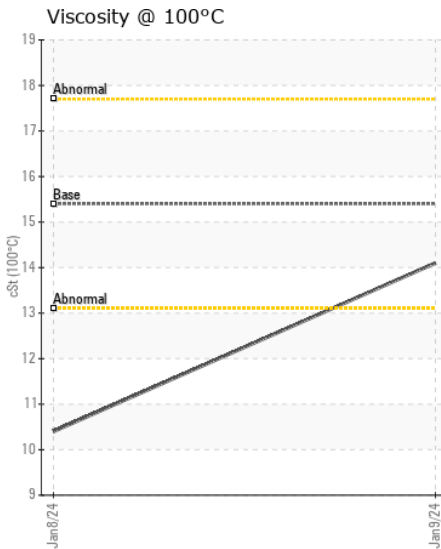
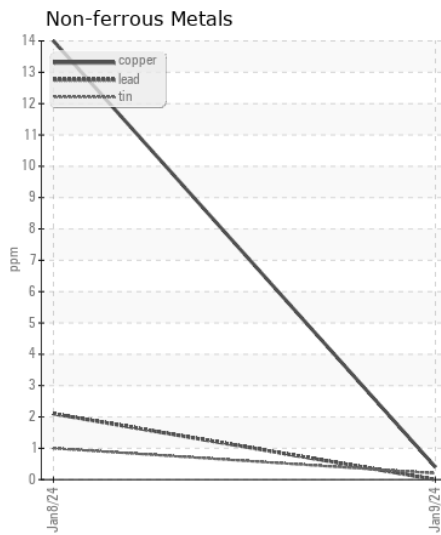
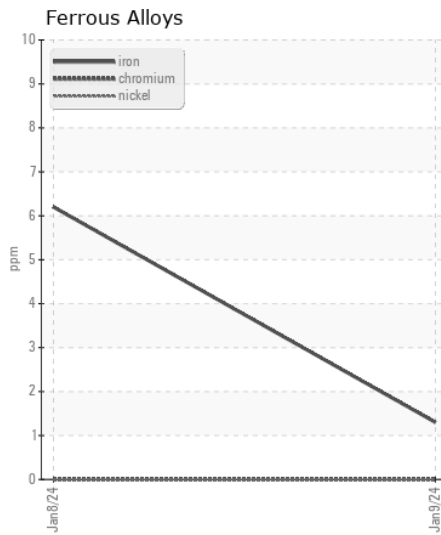
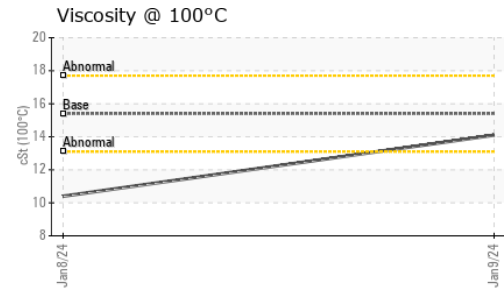
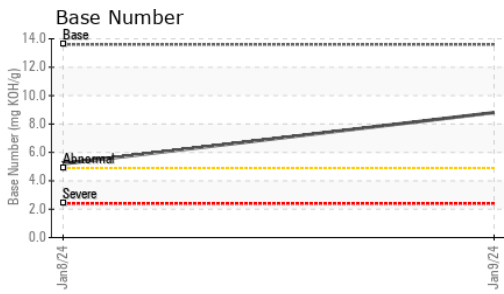
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	6	8	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
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	0	---
Nitration	Abs/cm	*ASTM D7624	>20	4.7	3.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	▲ 30.5	---
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

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

Sodium	ppm	ASTM D5185m	>31	<1	4	---
Boron	ppm	ASTM D5185m		339	109	---
Barium	ppm	ASTM D5185m		0	<1	---
Molybdenum	ppm	ASTM D5185m		159	▲ 95	---
Manganese	ppm	ASTM D5185m		<1	4	---
Magnesium	ppm	ASTM D5185m		575	▲ 313	---
Calcium	ppm	ASTM D5185m		1289	▲ 626	---
Phosphorus	ppm	ASTM D5185m		959	780	---
Zinc	ppm	ASTM D5185m		1146	951	---
Sulfur	ppm	ASTM D5185m		3120	▲ 2214	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	24.1	---
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.8	5.2	---
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	10.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197661 **Received** : 10 Jan 2024
Lab Number : 06056530 **Diagnosed** : 11 Jan 2024
Unique Number : 10822479 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: TBN)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529

Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com

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)

T: (919)614-2260
 F: (919)779-5432