



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 5065E 1PY5065ETFY110381
 Component
Diesel Engine
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215954	JR0037044	---
Sample Date		Client Info		06 Jun 2024	27 Feb 2020	---
Machine Age	hrs	Client Info		522	277	---
Oil Age	hrs	Client Info		0	277	---
Filter Age	hrs	Client Info		0	277	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	6	55	---
Chromium	ppm	ASTM D5185m	>11	<1	7	---
Nickel	ppm	ASTM D5185m	>5	<1	2	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>31	3	9	---
Lead	ppm	ASTM D5185m	>26	<1	12	---
Copper	ppm	ASTM D5185m	>26	1	33	---
Tin	ppm	ASTM D5185m	>4	<1	7	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

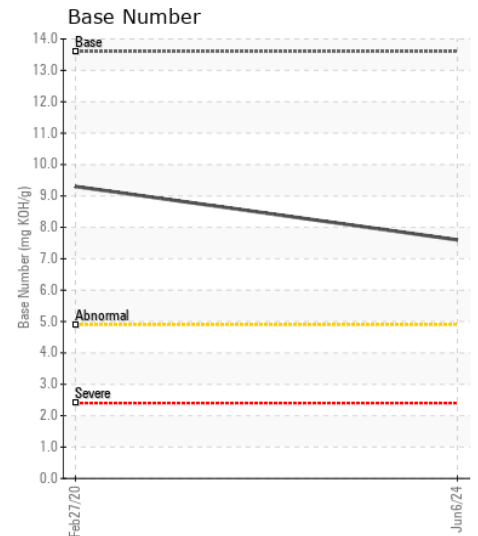
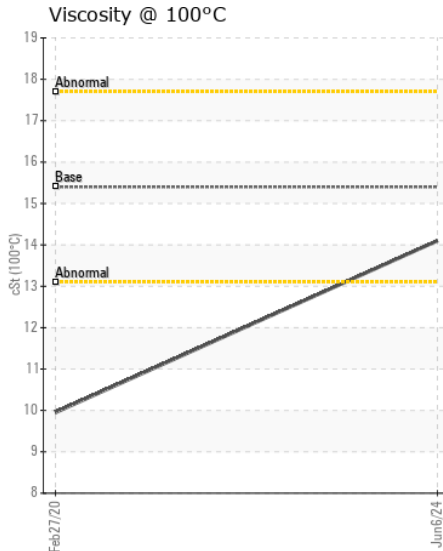
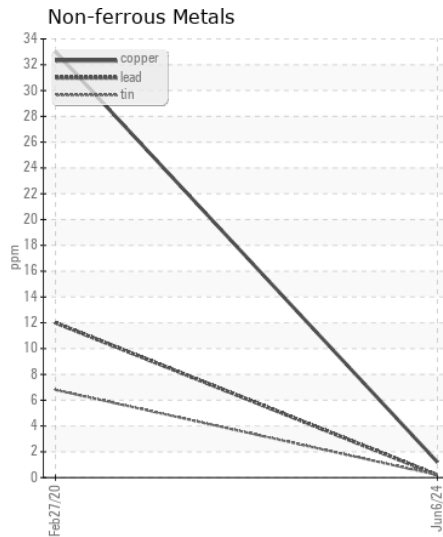
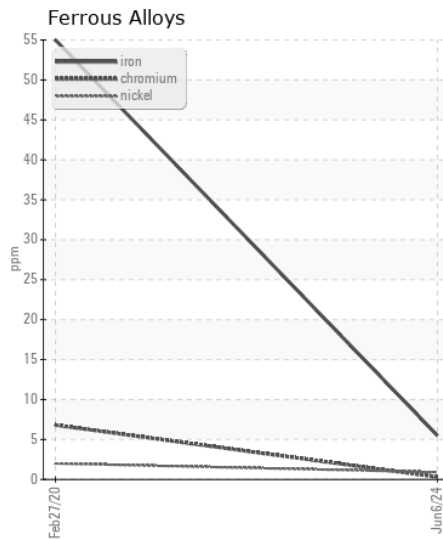
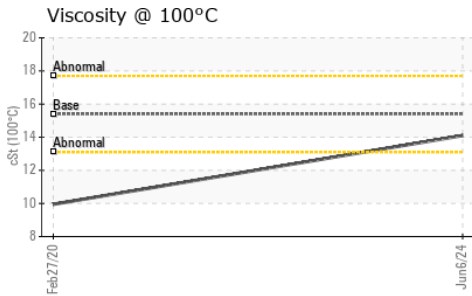
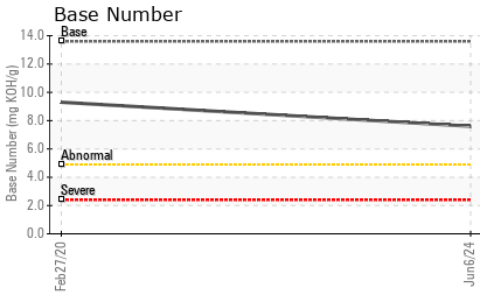
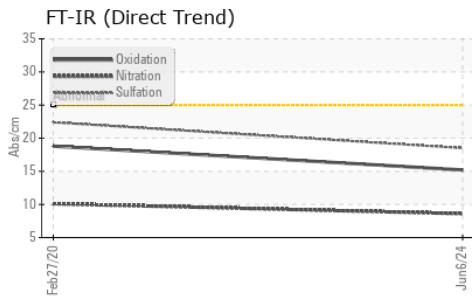
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	7	23	---
Potassium	ppm	ASTM D5185m	>20	3	<1	---
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	0.1	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	8.6	10.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	22.4	---
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	3	12	---
Boron	ppm	ASTM D5185m		110	251	---
Barium	ppm	ASTM D5185m		0	3	---
Molybdenum	ppm	ASTM D5185m		90	269	---
Manganese	ppm	ASTM D5185m		<1	6	---
Magnesium	ppm	ASTM D5185m		132	862	---
Calcium	ppm	ASTM D5185m		2178	1489	---
Phosphorus	ppm	ASTM D5185m		1056	891	---
Zinc	ppm	ASTM D5185m		1229	1056	---
Sulfur	ppm	ASTM D5185m		5684	2683	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	18.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	7.6	9.3	---
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	9.95	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215954 **Received** : 17 Jun 2024
Lab Number : 06211430 **Tested** : 19 Jun 2024
Unique Number : 11084294 **Diagnosed** : 19 Jun 2024 - Don Baldrige
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)

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