



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W44115]
 Machine Id
JOHN DEERE 250G B-140 (S/N 1FF250GXLLF611665)
 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		JR0195692	JR0122831	---
Sample Date		Client Info		08 Jan 2024	29 Mar 2022	---
Machine Age	hrs	Client Info		8015	2330	---
Oil Age	hrs	Client Info		800	0	---
Filter Age	hrs	Client Info		800	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	38	9	---
Chromium	ppm	ASTM D5185m	>11	1	<1	---
Nickel	ppm	ASTM D5185m	>5	8	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>31	8	3	---
Lead	ppm	ASTM D5185m	>26	0	<1	---
Copper	ppm	ASTM D5185m	>26	3	1	---
Tin	ppm	ASTM D5185m	>4	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

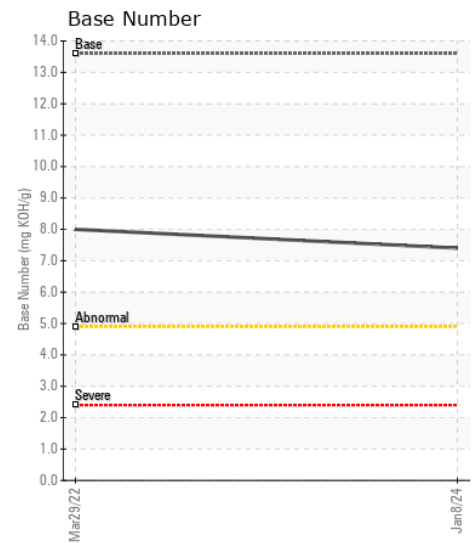
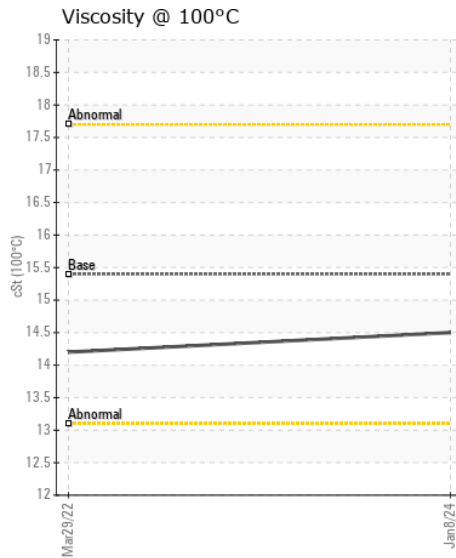
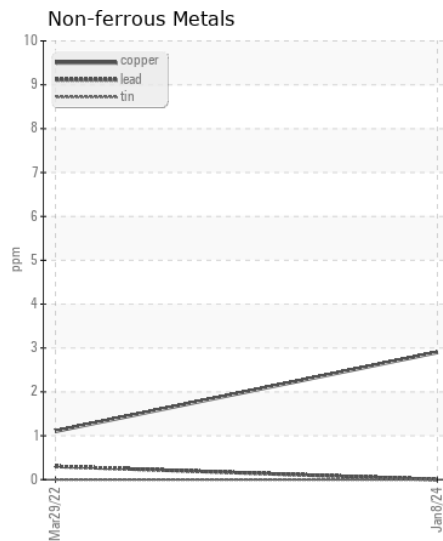
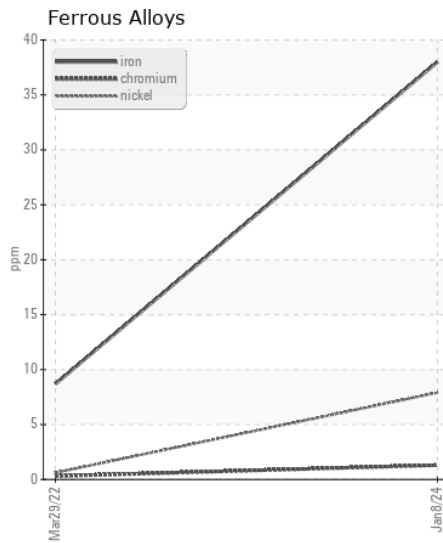
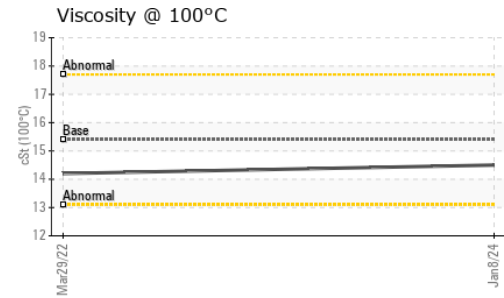
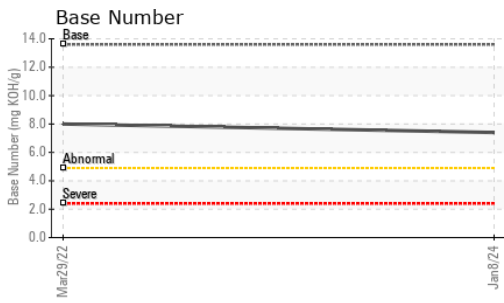
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	18	7	---
Potassium	ppm	ASTM D5185m	>20	3	0	---
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	0.7	0.8	---
Nitration	Abs/cm	*ASTM D7624	>20	10.0	10.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.3	20.6	---
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	6	2	---
Boron	ppm	ASTM D5185m		108	219	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		320	243	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		1062	816	---
Calcium	ppm	ASTM D5185m		1958	1533	---
Phosphorus	ppm	ASTM D5185m		1114	873	---
Zinc	ppm	ASTM D5185m		1440	986	---
Sulfur	ppm	ASTM D5185m		3786	2523	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.8	17.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	7.4	8.0	---
Visc @ 100°C	cSt	ASTM D445	15.4	14.5	14.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0195692 **Received** : 09 Jan 2024
Lab Number : 06055732 **Diagnosed** : 10 Jan 2024
Unique Number : 10821681 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: TBN)

C & D RECOVERY
 24024 FREDERICK RD
 CLARKSBURG, MD
 US 20871
 Contact: HERBIE TRENT

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:
F: