



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W33272-1]

Machine Id

JOHN DEERE 460E 1DW460EBPNF713713

Component

Diesel Engine

Fluid

CHEVRON 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0204760	JR0194746	---
Sample Date		Client Info		29 Feb 2024	20 Feb 2024	---
Machine Age	hrs	Client Info		2982	2981	---
Oil Age	hrs	Client Info		50	400	---
Filter Age	hrs	Client Info		50	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	12	13	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>31	4	3	---
Lead	ppm	ASTM D5185m	>26	2	1	---
Copper	ppm	ASTM D5185m	>26	7	8	---
Tin	ppm	ASTM D5185m	>4	1	2	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

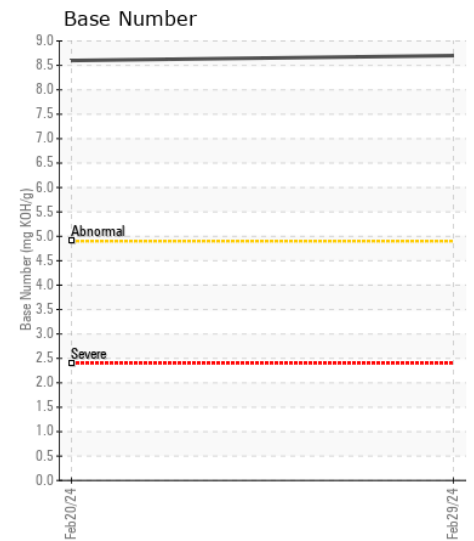
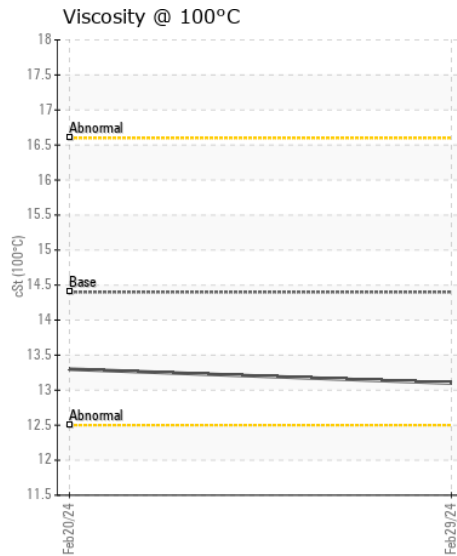
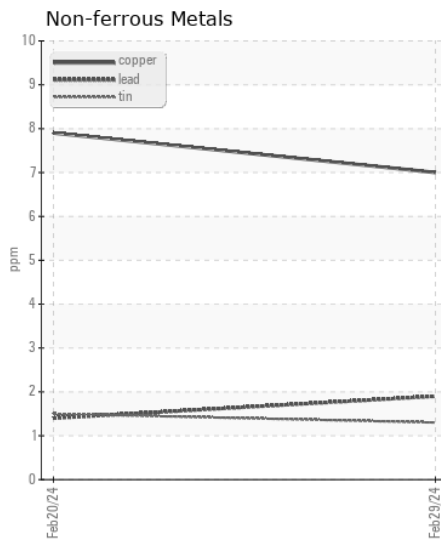
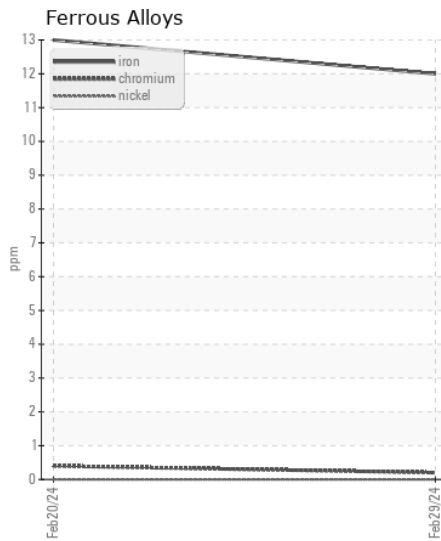
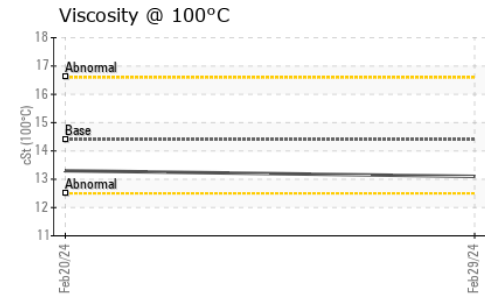
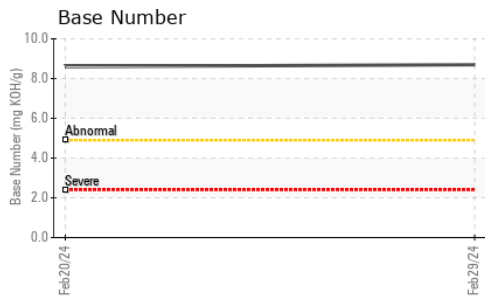
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	7	7	---
Potassium	ppm	ASTM D5185m	>20	1	0	---
Fuel		WC Method	>2.1	<1.0	0.4	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	8.3	7.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	21.0	---
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	>50	2	2	---
Boron	ppm	ASTM D5185m		219	227	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		231	236	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		779	769	---
Calcium	ppm	ASTM D5185m		1273	1343	---
Phosphorus	ppm	ASTM D5185m		864	844	---
Zinc	ppm	ASTM D5185m		1039	1000	---
Sulfur	ppm	ASTM D5185m		2843	2846	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.6	15.4	---
Base Number (BN)	mg KOH/g	ASTM D2896		8.7	8.6	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.1	13.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0204760 **Received** : 01 Mar 2024
Lab Number : 06105880 **Tested** : 02 Mar 2024
Unique Number : 10909377 **Diagnosed** : 02 Mar 2024 - Wes Davis
Test Package : CONST (Additional Tests: TBN)

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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)