



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W49818]

Machine Id

JOHN DEERE 260E 1DW260ETCMF711589

Component

Front Differential

Fluid

JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0200027	JR0125069	---
Sample Date		Client Info		09 Feb 2024	24 May 2022	---
Machine Age	hrs	Client Info		1984	711	---
Oil Age	hrs	Client Info		1000	711	---
Filter Age	hrs	Client Info		1000	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184		144	247	---
Iron	ppm	ASTM D5185m	>500	234	258	---
Chromium	ppm	ASTM D5185m	>10	1	3	---
Nickel	ppm	ASTM D5185m	>10	9	17	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	2	5	---
Lead	ppm	ASTM D5185m	>25	0	2	---
Copper	ppm	ASTM D5185m	>100	▲ 290	116	---
Tin	ppm	ASTM D5185m	>10	7	6	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

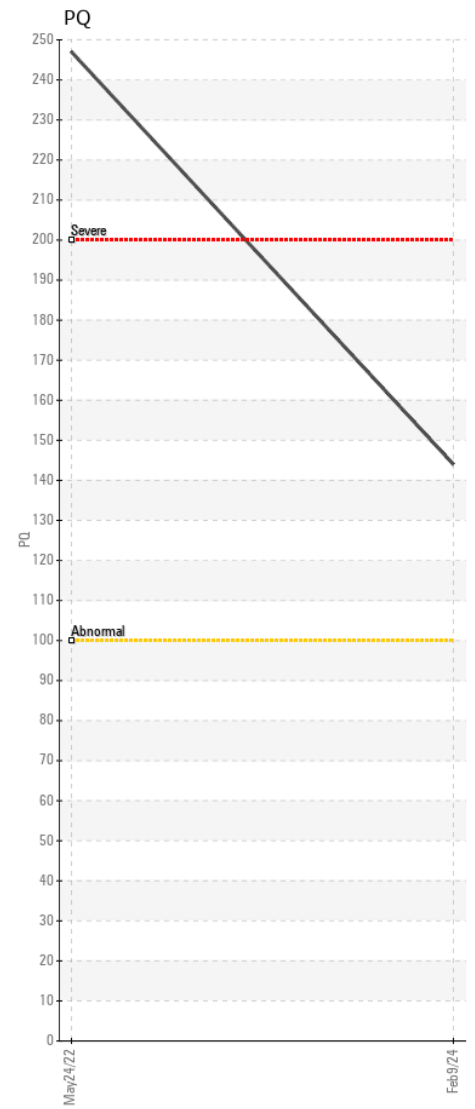
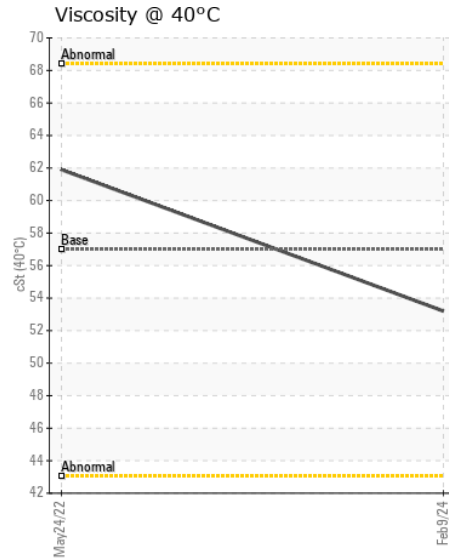
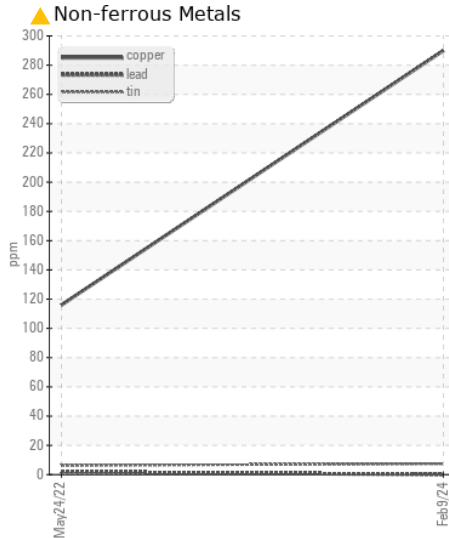
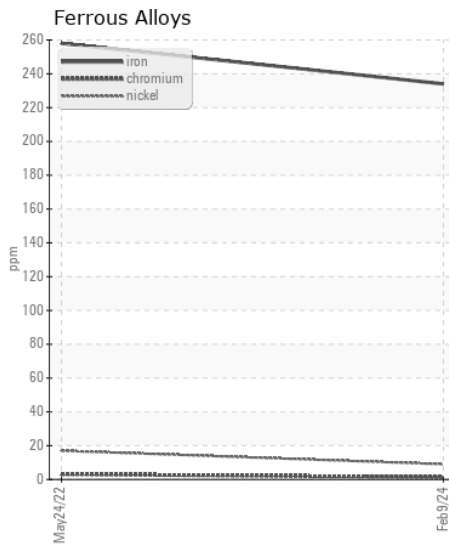
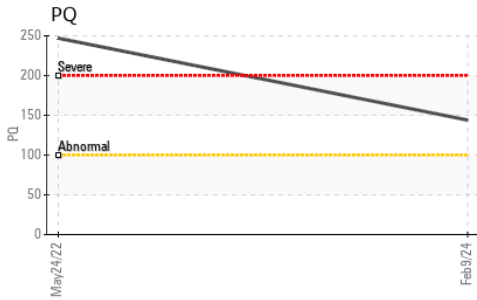
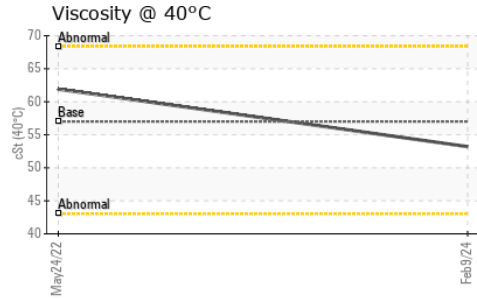
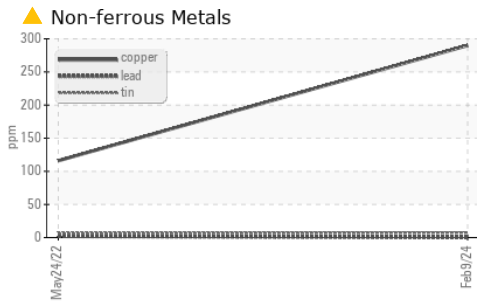
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	16	17	---
Potassium	ppm	ASTM D5185m	>20	3	0	---
Water		WC Method	>.2	NEG	NEG	---
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	>.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		5	25	---
Boron	ppm	ASTM D5185m	6	27	109	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		10	31	---
Magnesium	ppm	ASTM D5185m	145	86	29	---
Calcium	ppm	ASTM D5185m	3570	3466	3610	---
Phosphorus	ppm	ASTM D5185m	1290	1024	1175	---
Zinc	ppm	ASTM D5185m	1640	1355	1432	---
Sulfur	ppm	ASTM D5185m		4412	2857	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.2	61.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200027 **Received** : 13 Feb 2024
Lab Number : 06087636 **Tested** : 14 Feb 2024
Unique Number : 10875081 **Diagnosed** : 14 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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