



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 260E 1DW260ETCMF711642
 Component
Rear 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. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224573	JR0147913	JR0125731
Sample Date		Client Info		11 Jul 2024	22 Feb 2023	02 Sep 2022
Machine Age	hrs	Client Info		1985	915	461
Oil Age	hrs	Client Info		0	454	461
Filter Age	hrs	Client Info		0	454	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		157	131	65
Iron	ppm	ASTM D5185m	>500	324	131	101
Chromium	ppm	ASTM D5185m	>10	2	1	2
Nickel	ppm	ASTM D5185m	>10	11	8	9
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	3	4
Lead	ppm	ASTM D5185m	>25	18	8	18
Copper	ppm	ASTM D5185m	>100	▲ 389	102	122
Tin	ppm	ASTM D5185m	>10	13	4	3
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

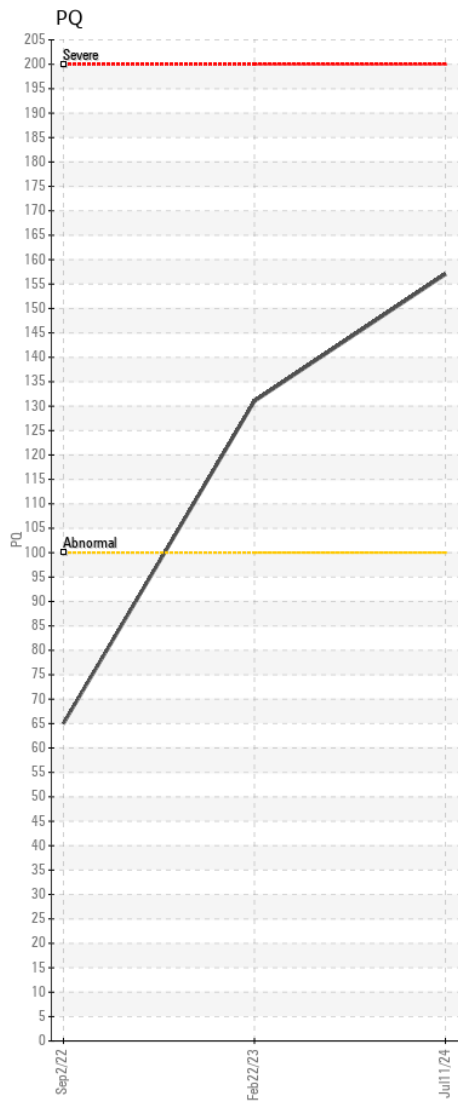
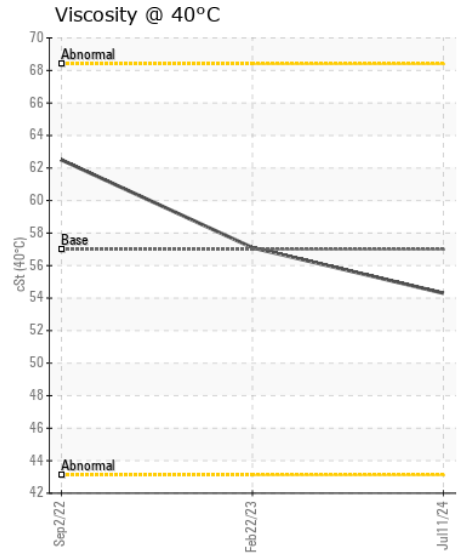
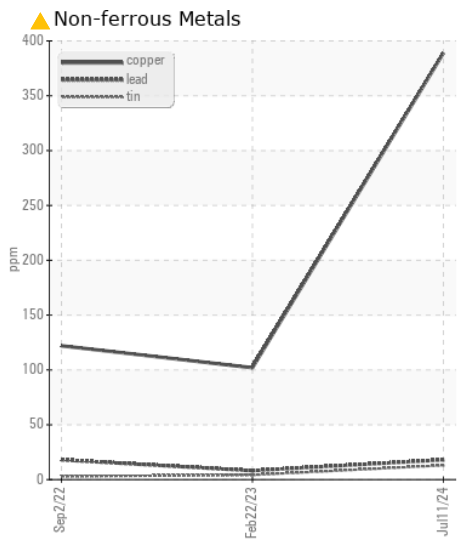
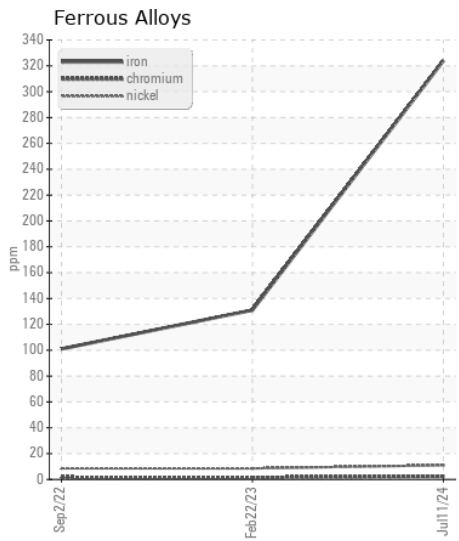
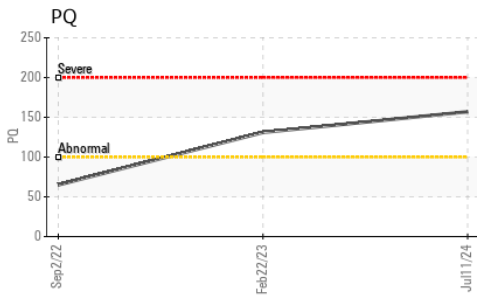
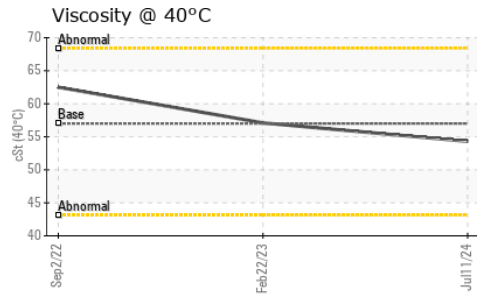
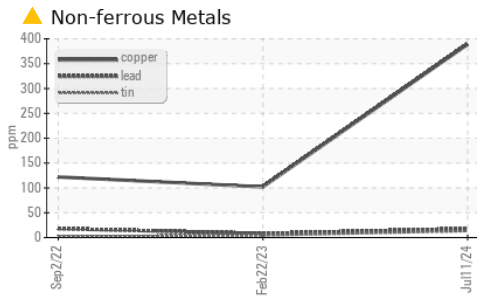
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	17	11	12
Potassium	ppm	ASTM D5185m	>20	3	0	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		8	11	21
Boron	ppm	ASTM D5185m	6	33	33	115
Barium	ppm	ASTM D5185m	0	1	<1	3
Molybdenum	ppm	ASTM D5185m	0	1	<1	<1
Manganese	ppm	ASTM D5185m		17	14	19
Magnesium	ppm	ASTM D5185m	145	75	67	22
Calcium	ppm	ASTM D5185m	3570	3522	3152	3341
Phosphorus	ppm	ASTM D5185m	1290	906	908	1077
Zinc	ppm	ASTM D5185m	1640	1281	1099	1353
Sulfur	ppm	ASTM D5185m		3296	3482	3337
Visc @ 40°C	cSt	ASTM D445	57.0	54.3	57.1	62.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224573 **Received** : 17 Jul 2024
Lab Number : 06239384 **Tested** : 18 Jul 2024
Unique Number : 11128218 **Diagnosed** : 19 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)