



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 310E 1DW310EXVMF712233
Component
Center Differential
Fluid
{not provided} (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

Bearing and/or bushing wear is indicated.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

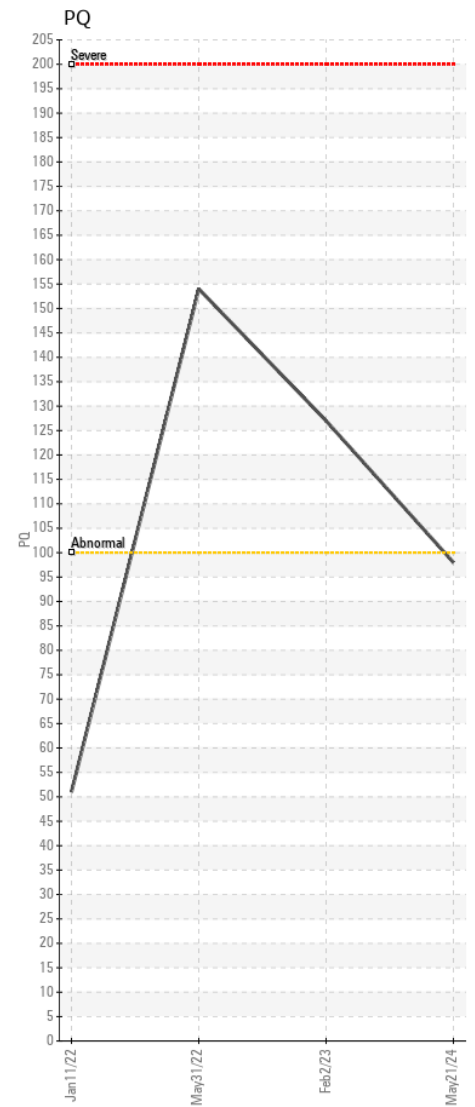
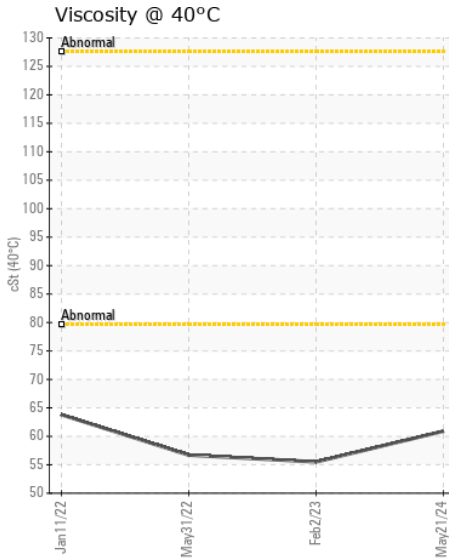
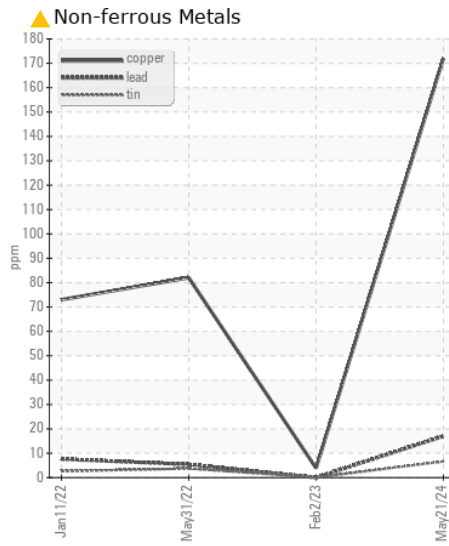
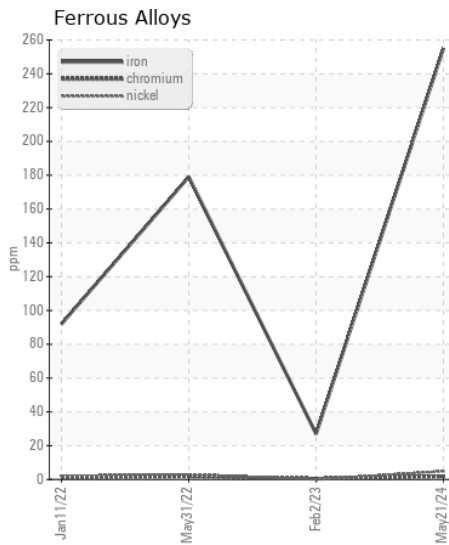
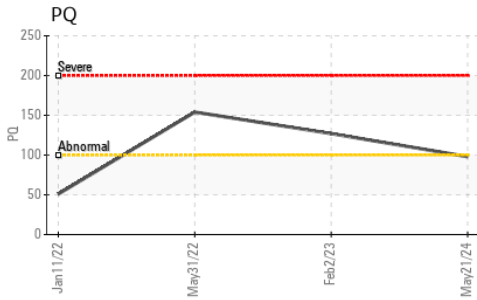
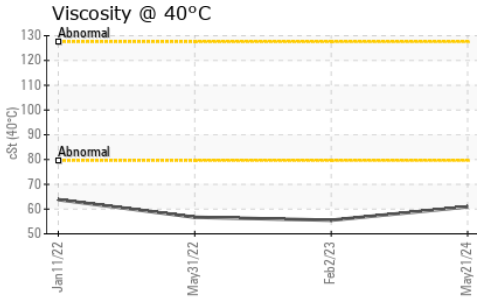
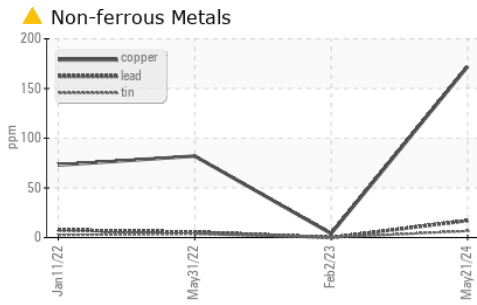
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213761	JR0122039	JR0122266
Sample Date		Client Info		21 May 2024	02 Feb 2023	31 May 2022
Machine Age	hrs	Client Info		3934	2427	955
Oil Age	hrs	Client Info		0	0	955
Filter Age	hrs	Client Info		0	0	955
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

PQ		ASTM D8184		98	127	154
Iron	ppm	ASTM D5185m	>500	255	27	179
Chromium	ppm	ASTM D5185m	>10	2	<1	2
Nickel	ppm	ASTM D5185m	>10	5	0	3
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	3
Lead	ppm	ASTM D5185m	>25	▲ 17	0	5
Copper	ppm	ASTM D5185m	>100	▲ 172	4	82
Tin	ppm	ASTM D5185m	>10	▲ 7	0	4
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	16	19	13
Potassium	ppm	ASTM D5185m	>20	0	8	2
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

Sodium	ppm	ASTM D5185m		8	2	9
Boron	ppm	ASTM D5185m		58	338	45
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		23	0	<1
Manganese	ppm	ASTM D5185m		15	4	21
Magnesium	ppm	ASTM D5185m		153	80	65
Calcium	ppm	ASTM D5185m		3288	11	3498
Phosphorus	ppm	ASTM D5185m		878	1288	1085
Zinc	ppm	ASTM D5185m		1257	6	1313
Sulfur	ppm	ASTM D5185m		4069	26065	3866
Visc @ 40°C	cSt	ASTM D445		60.9	55.5	56.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213761 **Received** : 22 May 2024
Lab Number : 06187940 **Tested** : 23 May 2024
Unique Number : 11044692 **Diagnosed** : 24 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GREENSBORO
 411 SOUTH REGIONAL ROAD
 GREENSBORO, NC
 US 27409
 Contact: NICK GALLAHER
 NGALLAHER@JRENET.COM
 T: (336)668-2762
 F: (336)665-9556

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)